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PUBLICATIONS  
OF  
FIELD MUSEUM OF NATURAL

ZOOL

Vol .

PART 1



CHICAGO, U.S.A.

1939



# A BIBLIOGRAPHY OF BIRDS

WITH SPECIAL REFERENCE TO ANATOMY, BEHAVIOR, BIOCHEMISTRY,  
EMBRYOLOGY, PATHOLOGY, PHYSIOLOGY, GENETICS, ECOLOGY,  
AVICULTURE, ECONOMIC ORNITHOLOGY, POULTRY CULTURE,  
EVOLUTION, AND RELATED SUBJECTS

P.

AUTHOR CATALOGUE

A TO J

BY

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ZOOLOGICAL SERIES

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## PREFACE

This work is the result of a series of activities, and its final scope was not anticipated for some years. In the course of some studies of bird morphology and related topics, about three thousand references were accumulated. During the preparation of a still unpublished monograph on bird anatomy, the problem of the form of publication of the bibliography was discussed with friends. From some of them came the suggestion that it be published separately so that it might be available to workers who might not possess the monograph. Later, a letter came from Dr. E. W. Gudger suggesting that the arrangement used in Bashford Dean's *A Bibliography of Fishes* be considered. I had not contemplated anything so ambitious as this, but was influenced to adopt some of its features, and gradually the scope of the work was extended.

The year 1926 was set, originally, as the limit of literature covered. As it became impossible to complete the work until some years later, other references were added as they came to attention, even as late as 1938. The comprehensive search ended with literature for 1926, however. That year was selected, partly through circumstances, but largely because *Biological Abstracts* began then.

As now presented, the titles are those relating especially to the field outside taxonomy; that is, anatomy, physiology, ecology, behavior, and related subjects. Taxonomy and distribution are not ignored, however, as especially important works have been included and bibliographies are listed. Paleontology is included except for titles preceding the publication in 1921 of Lambrecht's catalogue. Parasitology is largely referred to various excellent bibliographies, especially the *Index-Catalogue of Medical and Veterinary Zoology* of Stiles and Hassall.

It was not practicable to cover the vast field of poultry economics and management, but it is well represented. References to aviculture as found in general bibliographies usually were included, especially when they indicated work by scientific men. The migrations of birds are mentioned in the literature of all times, and the number of titles referring to this subject is exceedingly great. Many of the contributions are in the form of brief notes which are frequently of little or no scientific value. As articles on migration were noticed in bibliographies, those of more than one or two pages in length were selected, especially if they appeared in periodicals of some scientific standing.

It was not easy to select ecological references, because of the difficulty of deciding what are contributions to ecology. Articles written by ecologists were accepted, and titles sent by ornithologists which they classed as ecological were also accepted. A number of publications which have ecological bearings, though obviously not written with a clear-cut ecological viewpoint, were also included. All of these are indexed under ecology.

One of the most common ornithological topics is that of habits. A limited number of references to articles dealing with the habits of birds are included. These were selected usually from the standpoint of special interest and the scientific reputation of the periodical publishing them. There is no sharp border line between the literature dealing with habits and the literature of behavior as interpreted by animal psychologists. In the index, titles were classed under "behavior" when they appeared to have, in my judgment, the viewpoint of a trained student of animal behavior, or when they might be of interest to such a person. Items of general interest on the habits and behavior of birds occur in many general works on birds. The student who may be interested in a more complete bibliography of these topics than here attempted is referred to such publications.

In general, the probable use of a work like this was considered at all times in the selection of titles. It was recognized that it would be used mostly by investigators. Uncritical literature is of little or no value to them. However, the enormous number of publications that had to be considered required many swift decisions. A liberal policy was necessary to avoid the omission of contributions of possible value to some student. A less critical policy was followed with the older literature. References to articles on alleged hibernation of birds were included, for instance. As this work was in progress for a number of years, a strictly consistent policy was not possible. My viewpoint varied from time to time in spite of attempts to maintain a uniform policy.

Every one who has done much bibliographical work appreciates the difficulty of finding a large portion of the literature, even when the titles have been collected. No one library contains most of it, and not even all the libraries of any single country contain all of it. Fortunately, the *Union List of Serials in Libraries of the United States and Canada* appeared soon after the major portion of this work was begun. This was of incalculable value in locating periodicals in American libraries. However, a large amount of time was spent in finding rare periodicals not in this list and publications not in

serials. Inaugural dissertations and other privately printed pamphlets were especially troublesome. They often are not catalogued in libraries even though present in the stacks. By consulting catalogues of various American and European libraries, all but a very small number were located. Single publications often involved many hours of search and much correspondence. In order to save others this labor, it was decided to indicate the library in which each publication not commonly distributed in libraries was found. It was realized that this knowledge would not be so valuable for students outside of North America. Nevertheless, they may find the information useful in the case of rare publications. North American students can use the Union List for periodicals, but there are many references to serials which even the Union List does not locate. This practice of indicating libraries in which publications are located was used liberally, even for many that are to be found in a number of libraries contributing to the Union List, and especially for volumes issued before 1890. Though a majority of the publications listed are in Chicago libraries, thousands are not. It was necessary to make many trips to libraries in other cities, sometimes for extended periods.

Meager and inaccurate titles, especially when they refer to rare or obscure publications, are vexing and time-consuming. "Inflation" of them has involved consultations and correspondence with many librarians as well as examination of many lists of periodicals and numerous book catalogues. In order to save users of this bibliography from such troubles and yet secure the economy in space which abbreviations of the names of periodicals produce, it was decided to have a key list. Such a list, however, to be effective requires consistent use of these abbreviations.

Names of periodicals are variously abbreviated in different bibliographies, and no published list of serials contains all that are cited in this bibliography. A *World List of Scientific Periodicals* published during the years 1909-21 (Oxford University Press, Milford, London; 2nd ed., covering the years 1900-33) is the most complete. Its system (1st ed., primarily) is usually followed, and its rules for abbreviation (pp. 15-17) are applied to serials not included. It has not been practicable to recognize all recent changes in the names of cities and countries.

In the labor of checking the accuracy of the typed references, considerable use was made of "student service" engaged by the hour. Such helpers assisted in locating articles in bound volumes of periodicals and often in checking for accuracy. The catalogue cards were



left inserted in the volumes, saving me much time for my special work of noting the contents. At the same time, I decided whether the publication should be included. Brief notes were made on the cards for use in making up the subject index. These notes included references to genera when these were indicated in the publication. Much of this work was done in library stackrooms.

All reasonable efforts have been made to secure and check references to old or obscure publications that might have any possible use to the investigator. For the sake of economy in publication, however, existing bibliographies are used so far as possible, as for instance in the case of the literature of paleontology before 1921, already mentioned. Special bibliographies are mentioned in the subject index, and there is a list of general bibliographies. A list of abstracting journals has also been added.

Periodicals which are primarily or entirely ornithological are designated by an asterisk in the key list. Other ornithological periodicals not cited in the author catalogue occur in a list which follows. This second list includes many which have little value to the investigator, but which have the spirit of the true naturalist or may be useful in aviculture. Some of these, as well as others in the list of cited serials, were established by boys who later became trained investigators. My own first attempts at publication were in one of these uncited periodicals, *The Curlew*.

Acknowledgments are due to many persons for aid and interest. Numerous favors were received from librarians in all of the libraries cited. Special mention is made of frequent and exceedingly painstaking aid over a number of years from Miss Emily Dickinson, for many years librarian of the biology library of the University of Chicago, and to Mr. H. E. Mose of the John Crerar Library. Other librarians who deserve special mention for much help, especially by correspondence, are Miss Mary B. Cobb and Mrs. Caliste Crane Harris of the Boston Society of Natural History Library, Dr. H. M. Lydenberg and Mr. A. D. Osborn of the New York Public Library, Mr. F. E. Brasch of the Library of Congress, Miss Anne S. Pratt of Yale University Library, Mrs. E. M. Wilcoxson of Field Museum of Natural History, Miss Emma B. Hawks, United States Department of Agriculture Library, and Miss Hazel Gay of the American Museum of Natural History. Lists of bibliographical references for certain topics were sent to me by Dr. Witmer Stone, Mr. W. L. McAtee, and Dr. Walter Landauer, from which I obtained a number of items. Other persons to whom especial acknowledgment

is due for aid are: Dr. William Beebe, Captain Hugh S. Gladstone of Scotland, Mr. O. A. Hanke, Dr. Nagamichi Kuroda of Japan, Dr. Frederic T. Lewis, Dr. Harry C. Oberholser, Dr. T. S. Palmer, and the late Dr. C. W. Richmond.

It took about ten more years to complete this work than was estimated originally. More than two years were occupied largely in checking the manuscript for errors, and this involved much use of student service. Grateful acknowledgement is due Loyola University for the large amount of financial support given for this service.

To have Field Museum of Natural History as publisher was exceedingly gratifying and convenient. Its fine Edward E. Ayer Ornithological Library was useful in many ways during the eighteen years of active preparation of this work. For their cordial co-operation I am especially indebted to Mr. Stanley Field, President of the Board of Trustees of Field Museum; Mr. C. C. Gregg, Director of the museum, and his predecessor, Mr. Stephen C. Simms; to Dr. Wilfred H. Osgood, Chief Curator of Zoology; and to Mr. Rudyerd Boulton, Curator of Birds. During final preparation of the manuscript for publication, Mr. Boulton has assisted in revising the names of genera in the Subject Index. I wish also to acknowledge especially my great appreciation of the care and skill devoted to both manuscript and proofs by Miss Lillian A. Ross, Miss Josephine Thornton, and Mr. David Gustafson, of Field Museum's publication staff.

R. M. STRONG



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## RULES AND SYMBOLS EMPLOYED

A. For economy in publication, titles have been more or less simplified. Words and punctuation marks have been omitted where not necessary. On the other hand, all details important in indicating the length of a publication and its illustrations have been included.

B. Authors' titles are arranged chronologically as to years and alphabetically as to publications within the same year.

C. Additions to titles or inserted explanatory words and translations of titles are included in brackets, [ ], parentheses being used only where they occur in original titles and as indicated in Paragraph E.

D. Rules of the American Library Association have been followed in transliteration of Slavic names except that transliterations in common use have been retained. Where more than one transliteration has been used commonly, the choice has been in favor of the major usage or the one resembling most closely the American Library Association form. In abbreviations of names of Slavic periodicals, ligatured diphthongs have been avoided. The *i* in every such diphthong has been retained, but the arc has been omitted.

E. References to periodicals have the name of the periodical, whether abbreviated or not, followed by a comma, and the volume number in bold-face type, followed by a comma. Series numbers are placed in parentheses, immediately preceding volume numbers. In the case of publications appearing in proceedings of societies, etc., with a date earlier than the actual date of publication, this earlier date is placed in parentheses immediately after the name of the periodical, and preceding the volume or series number. If no volume number occurs, this year number appears in bold-face type with no parentheses. The year of publication appears in bold face immediately preceding the title. This practice with reference to year of publication, title, etc., was not followed consistently in the accumulation of the first few thousand references, as its importance was not realized at the beginning. References which could not be verified are usually given as found in bibliographies, with few or no changes. Light-face roman type with no parentheses is used for the year of publication of other references to the same title.

F. Initial capitals in foreign languages are unaccented, as, for instance, *Etat* for *État*. The letter *e* has been substituted for German umlauts of initial capitals (e.g., *Ue*).

G. The library in which the publication was found during the procedure of verification is indicated by an abbreviation placed at the end of the reference after the illustrations, except for periodicals and books generally occurring in large libraries. This practice was followed liberally whenever it was deemed useful, and especially for years preceding 1890. The abbreviations used are those employed in the Union List of Serials, in the case of American libraries. The method followed in this list was used in preparing abbreviations for foreign libraries. The use of such abbreviations does not indicate that no other library has the publication. Many may have it. American workers will of course consult the Union List for possible location in a library more accessible than that indicated by the abbreviation.

H. Asterisks have been used for references acquired too late for personal examination or not accessible to the author. One asterisk \* indicates that the reference was verified by a librarian through correspondence. Two asterisks \*\* are used for libraries described as having the publication but where verification was not made. Three asterisks \*\*\* indicate that the publication could not be located even after extensive search and correspondence. An asterisk has also been used to designate ornithological periodicals in the key list, and in the subject index to indicate especially important publications.

I. The following list of abbreviations is used to indicate libraries where publications were verified.

AW.	Universitätsbibliothek, Wien, Austria.
CaM.	McGill University, Montreal, Canada.
CS.	Leland Stanford Junior University, California.
CtY.	Yale University, New Haven, Connecticut.
CU.	University of California, Berkeley, California.
DA.	United States Department of Agriculture, Washington, D.C.
DKU.	Universitetsbiblioteket, Kjøbenhavn, Denmark.
DLC.	Library of Congress, Washington, D.C.
DSG.	Library of Surgeon General, Washington, D.C.
DSI.	Smithsonian Institution, Washington, D.C.
ELNH.	British Museum (Natural History), London, England.
ELZ.	Zoological Society of London, England.
FHU.	Universitetsbiblioteket, Helsingfors (Helsinki), Finland.
FrPBN.	Bibliothèque Nationale, Paris, France.
GB.	Stadtbibliothek, Breslau, Germany.
GF.	Senckenbergische Bibliothek, Frankfurt a. M., Germany.
HSG.	Private Library of Captain Hugh S. Gladstone, Dumfriesshire, Scotland.
IaSA.	Iowa State College of Agriculture and Mechanic Arts, Ames, Iowa.
IC.	Public Library, Chicago, Illinois.
ICF.	Field Museum of Natural History, Chicago, Illinois.
ICJ.	John Crerar Library, Chicago, Illinois.

ICU.	University of Chicago, Chicago, Illinois.
IEN-M.	Northwestern University Medical School, Chicago, Illinois.
IF.	R. Biblioteca Nazionale, Firenze, Italy.
IP.	R. Biblioteca Palatina, Parma, Italy.
IU.	University of Illinois, Urbana, Illinois.
IU-M.	University of Illinois College of Medicine, Chicago, Illinois.
JTU.	Tokyo Imperial University, Tokyo, Japan.
MB.	Boston Public Library, Boston, Massachusetts.
MBA.	American Academy of Arts and Sciences, Boston, Massachusetts.
MBM.	Boston Medical Library, Boston, Massachusetts.
MBN.	Boston Society of Natural History, Boston, Massachusetts.
MdBM.	Library of Medical and Chirurgical Faculty of the State of Maryland, Baltimore, Maryland.
MH.	Harvard College Library, Cambridge, Massachusetts.
MH-P.	Peabody Museum of Archaeology and Ethnology, Cambridge, Massachusetts.
MH-Z.	Museum of Comparative Zoology, Cambridge, Massachusetts.
MiU.	University of Michigan, Ann Arbor, Michigan.
MnRM.	Library of Mayo Clinic, Rochester, Minnesota.
MoSB.	Missouri Botanical Garden, St. Louis, Missouri.
N.	New York State Library, Albany, New York.
NCE.	Eugenics Record Office, Cold Spring Harbor, Long Island, New York.
NIC-A.	New York State College of Agriculture, Cornell University, Ithaca, New York.
NJP.	Princeton University, Princeton, New Jersey.
NN.	New York Public Library, New York City.
NNA.	American Geographical Society, New York City.
NNC.	Columbia University, New York City.
NNM.	American Museum of Natural History, New York City.
NNN.	New York Academy of Medicine, New York City.
Ober.	Private Library of Dr. H. C. Oberholser, Washington, D.C.
PPAN.	Academy of Natural Sciences, Philadelphia, Pennsylvania.
PPAP.	American Philosophical Society, Philadelphia, Pennsylvania.
PPWI.	Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania.
PW.	Biblioteka Uniwersytecka, Warszawa, Poland.
RMS.	Private Library of R. M. Strong, Chicago, Illinois.
RPB.	Brown University, Providence, Rhode Island.
SB.	Schweizerische Landesbibliothek, Bern, Switzerland.
SSKB.	Kungl. Biblioteket, Stockholm, Sweden.
Storrs.	Storrs Agricultural Experiment Station, Storrs, Connecticut.
WH.	Library of Wisconsin State Historical Society, Madison, Wisconsin.
WU.	University of Wisconsin, Madison, Wisconsin.
WW.	Wheldon & Wesley's Catalogue of Ornithology.

J. The abbreviations used for names of periodicals cited have been taken from the *World List of Scientific Periodicals* where available. In the case of serials not in this list, the principles employed in it have been used except that abbreviations for Japanese periodicals have been taken, when available, from lists in the *Japanese Journal of Medical Sciences*. When not in these lists, abbreviations of Japanese periodicals have been copied as indicated in the



bibliographies from which they were obtained. In the key list of abbreviations which follows (pp. 19-82), periodicals cited more than once or twice are usually included. Especial care has been taken to insure explicitness with regard to the small number of periodicals which are in neither list.

**K.** The explanation of principles used in the abbreviations for names of periodicals has been taken verbatim from the World List (1st ed., vol. II, pp. ix-x) with minor changes and omissions.

Prepositions and articles normally are omitted. In abbreviations of English titles, capitals are used throughout. In other languages, nouns have capital, adjectives small, initial letters:

Bull[etin of the] Sci[entific] Soc[iety of] N[ew] Y[ork]  
Publ[ications de la] Soc[iété] sci[entifique de l']Aisne

The conjunction "and" (with the corresponding words in other languages) is omitted except in titles consisting only of two nouns connected by "and," and where it connects broken compounds:

Field and Forest  
Hannov[er] land- u[nd] forstw[irtschaftliche] Ver[eins] Bl[att]

Number is not distinguished (Bl.=Blatt and Blätter); neither is any distinction attempted in English between substantive and adjectival forms (Sci.=Science, Sciences, and Scientific). Where possible, cognate words in all languages are reduced to the same form:

Acad.=Academy, Académie, Academia  
Ann.=Annals, Annales, Annalen, Annali  
Sci.=Science, Scienza, Scienza  
Soc.=Society, Société, Società, Sociedad, Sociedade, Societas, Societate, Societat

Normally the place of imprint is omitted (except when needed to distinguish periodicals with the same title); but when the abbreviated form would leave it uncertain what was the language of the original, the imprint is added for all except the best-known language of those between which confusion could arise, taking the order of familiarity as being (i) English; (ii) French; (iii) German; (iv) Italian or Spanish.

Prog. Sci. (without imprint)=Progress of Science, London  
Prog. Sci. Paris=Progrès des sciences, Paris  
Prog. Sci. Torino=Progresso delle scienze, Torino  
Prog. sci. (without imprint, since there is no confusion with English)=Progrès scientifique, Paris  
Prog. sci. Milano=Progresso scientifico, Milano  
Ann. Biol. Paris=Annales de biologie, Paris  
Ann. Chim.=Annales de chimie, Paris  
Ann. Chem. Berl.=Annalen der Chemie, Berlin

In the Germanic and Scandinavian languages, where long compound words occur freely, the different parts of the compound have

been abbreviated as if they were distinct. With nouns no hyphen is used between the parts, but each part is made to begin with a capital letter:

EntwMech.=Entwicklungsmechanik

Compound adjectives are similarly contracted, but between the parts a hyphen is inserted:

Med.-chir.=Medizinisch-chirurgische

It is not considered necessary to give a list of the abbreviations, as most of them are self-explanatory, and reference can be made to the full form. Exception is made of the following German forms, some of which differ somewhat from those in common use:

Bl., Blatt	Mhft., Monatsheft	Mschr., Monatsschrift
Mbl., Monatsblatt	Schr., Schrift	Wschr., Wochenschrift
Wbl., Wochenblatt	Z., Zeitschrift	Ztg., Zeitung
Zbl., Zentralblatt		

A partial list of abbreviations for place names is as follows:

Aberd., Aberdeen	Engl., England	N.Z., New Zealand
Afr., Africa	Esp., España	Neb., Nebraska
Amer., America	Fr., France	Okla., Oklahoma
Amst., Amsterdam	s' Grav., s' Gravenhage	Ont., Ontario
Ariz., Arizona	Ind., India	Penn., Pennsylvania
Aust., Australia	Ire., Ireland	Phila., Philadelphia
B. Aires, Buenos Aires	Ital., Italia	Qd., Queensland
B.C., British Columbia	Kans., Kansas	R.I., Rhode Island
Belg., Belgique	Kbh., Kjøbenhavn	S. Afr., S. Africa
Berl., Berlin	Lond., London	S. Aust., S. Australia
Bgham., Birmingham	Lpool., Liverpool	Spb., St. Petersburg
Brux., Bruxelles	Mad., Madrid	Scot., Scotland
C.G.H., Cape of Good Hope	Manchr., Manchester	Stockh., Stockholm
Calif., California	Mass., Massachusetts	Tasm., Tasmania
Can., Canada	Mex., Mexico	Tex., Texas
Carol. Carolina	Mich., Michigan	Trin. Tob., Trinidad and Tobago
Colo., Colorado	Minn., Minnesota	
Conn., Connecticut	N.J., New Jersey	Vict., Victoria
Deuts., Deutschland	N.S.W., New South Wales	Wash., Washington
Edinb., Edinburgh	N.Y., New York	Wis., Wisconsin

L. References with the same title but to different periodicals are listed together without repetition, as is done in the *Catalogue of Scientific Papers* compiled by the Royal Society of London. Reviews and abstracts are usually treated in the same way, being placed after the reference to the publication reviewed or abstracted. The name of the reviewer or abstracter does not appear ordinarily.

M. Vernacular names are not usually employed in the Subject Index. The name of the probable genus is substituted instead. Thus *Gallus* is used for "common fowl," German "Huhn" or "Hühnchen," French "poulet," Italian "pollo," and so on. In case some species of *Gallus* other than *domesticus* is mentioned, the species is

indicated. *Columba* is used for "dove," "pigeon," "Taube," etc. The common house sparrow, *Passer domesticus*, appears as *Passer*. Generic names have been taken as given without revision, except in the Subject Index. In the case of group names, e.g. Galliformes, the system of nomenclature used in Wetmore's (1934) revised system has been employed.

N. A limited use has been made of the asterisk in portions of the classified index to designate publications of unusual importance. The asterisk is used more often for comprehensive works, but is sometimes employed for relatively short papers when these are considered to be especially important. As a rule the importance of a publication was judged from the standpoint of value as an original contribution to knowledge. Recognition is given, however, to works of an encyclopedic character. The asterisk has not been used for works involving birds only incidentally, no matter how important they may be.

O. Information concerning the period of publication and location in libraries can be obtained from the *Union List of Serials in Libraries of the United States and Canada* by Winifred Gregory (New York, H. W. Wilson Co., 1, 1927+) and *Poole's Index to Periodical Literature* (Boston and New York, Houghton, Mifflin and Co., 1, 1893+). The following publications give useful information concerning some journals not in the Union List.

(1) American Newspaper Annual, N. W. Ayer and Son's Directory of Newspapers and Periodicals. A Guide to Publications Printed in the United States and Possessions, the Dominion of Canada, Bermuda, Cuba, and the West Indies (Philadelphia, 1, 1881+). ICJ.

(2) Christian Gottlob Kayser's Vollständiges Bücher-Lexicon ... 1750-1910 (Leipzig, C. H. Tauchnitz, 36 vols. in 33, 1834-1912). ICJ.

(3) Willing's Press Guide and Advertiser's Directory and Handbook .... A Concise and Comprehensive Index to the Press of the United Kingdom (London).

(4) The following work is useful in furnishing data concerning periodicals: Gesamtverzeichnis der ausländischen Zeitschriften (Gaz.), 1914-1924. Auskunftsbureau d. deuts. Bibliotheken, Berlin Preussische Staatsbibliothek, 1929.

## KEY LIST OF ABBREVIATIONS FOR PERIODICALS CITED

For explanation of symbols, see pages 11-16.

- A. d. Heimath.*—Aus der Heimath. Ein naturwissenschaftliches Volksblatt. Glogau; Leipzig.
- A. d. Natur.*—Aus der Natur. Leipzig.
- A. d. Walde.*—Aus dem Walde. Wochenblatt für Forstwirtschaft. Tübingen.
- A. Natur u. Geistesw.*—Aus Natur und Geisteswelt. Leipzig.
- Aanteek. prov. utrecht. Genoot.*—Aanteekeningen van het verhandelde in de Sectievergaderingen van het Prov. Utrechtsch Genootschap van Kunsten en Wetenschappen. Utrecht.
- Abeille Paris.*—L'Abeille; mémoires d'entomologie or Abeille; journal d'entomologie. Société entomologique de France. Paris.
- Abh. bayer. Akad. Wiss.*—Abhandlungen Kgl. Bayerischen Akademie der Wissenschaften. Math.-Phys. Kl. München.
- Abh. bohm. Ges. Wiss.*—Abhandlungen der Mathematisch-Naturwissenschaftlichen Klasse der Kgl. Böhmischen Gesellschaft der Wissenschaften. Praha.
- Abh. Geburtsh. Gynak.*—Abhandlungen aus dem Geb. der Geburtshilfe u. Gynaekologie. Mitteilungen aus der 2. Frauenklinik d. Univ. Budapest.
- Abh. geol.-palaeont. Inst. Greifswald.*—Abhandlungen aus dem Geologisch-palaeontologischen Institut der Universität Greifswald. Bamberg.
- Abh. Ges. Wiss. Göttingen.*—Abhandlungen der Kgl. Gesellschaft der Wissenschaften zu Göttingen. Berlin.
- Abh. heidelberg. Akad. Wiss.*—Abhandlungen der Heidelberger Akademie der Wissenschaften. Math.-Nat. Kl. Heidelberg.
- Abh. naturf. Ges. Gortitz.*—Abhandlungen der Naturforschenden Gesellschaft zu Gortitz. Gortitz.
- Abh. naturf. Ges. Halle.*—Abhandlungen der Naturforschenden Gesellschaft zu Halle. Halle.
- Abh. naturh. Ges. Nürnberg.*—Abhandlungen der Naturhistorischen Gesellschaft zu Nürnberg. Nürnberg.
- Abh. Naturw. Hamburg.*—Abhandlungen aus dem Gebiet der Naturwissenschaften hrsg. vom Naturwissenschaftlichen Verein in Hamburg. Hamburg.
- Abh. naturw. Ver. Bremen.*—Abhandlungen hrsg. vom Naturwissenschaftlichen Verein zu Bremen. Bremen.
- Abh. pomm. naturf. Ges.*—Abhandlungen und Berichte der Pommerschen Naturforschenden Gesellschaft. Stettin.
- Abh. preuss. Akad. Wiss.*—Abhandlungen der Kgl. Preussischen Akademie der Wissenschaften. Phys.-Math. Kl. Berlin.
- Abh. sachs. Ges. (Akad.) Wiss.*—Abhandlungen der Kgl. Sächsischen Gesellschaft (Akademie) der Wissenschaften. Math.-Phys. Kl. Leipzig.
- Abh. senckenb. naturf. Ges.*—Abhandlungen hrsg. von der Senckenbergischen Naturforschenden Gesellschaft. Frankfurt a. M.
- Abh. Ver. Naturk. Cassel.*—Abhandlungen und Berichte des Vereins für Naturkunde zu Cassel. Cassel.
- Abh. zool. anthrop.-ethn. Mus. Dresden.*—Abhandlungen und Berichte des Kgl. Zoologischen und Anthropologisch-ethnographischen Museums zu Dresden.
- Abst. Del. Orn. Cl.*—\*Abstract of the Proceedings of the Delaware Valley Ornithological Club of Philadelphia. Nos. 1-4, 1890-1900. (Cont'd as: *Cassinia*.) Philadelphia.
- Abst. Linn. Soc. N.S.W.*—Abstract of Proceedings. Linnean Society of New South Wales. Sydney.

- Abst. Linn. Soc. N.Y.*—Abstract of Proceedings of the Linnaean Society of New York. New York.
- Act. Acad. Bordeaux.*—Actes de l'Académie nationale des sciences, belles-lettres et arts de Bordeaux.
- Act. Soc. esp. Hist. nat.*—Actas de la Sociedad española de historia natural. Madrid.
- Act. Soc. jurass. Emul.*—Actes de la Société jurassienne d'émulation. Porrentruy, Switzerland.
- Act. Soc. linn. Bordeaux.*—Actes de la Société linnéenne de Bordeaux.
- Act. Soc. sci. Chili.*—Actes de la Société scientifique du Chili. Santiago.
- Acta Acad. Sci. petrop.*—Acta Academiae Scientiarum imperialis Petropolitanae. (Continues Novi Commentarii. Cont'd as: Nova Acta.) Akademia Nauk. Leningrad.
- Acta helv.*—Acta Helvetica, physico-mathematico-anatomico-botanico-medica. Basel.
- Acta lit. sci. Sueciae.*—Acta literaria et scientiarum Sueciae. Upsala.
- Acta med. phil. haf.*—Acta medica et philosophica Hafniensia. Kjøbenhavn.
- Acta med. scand.*—Acta medica Scandinavica. Stockholm.
- Acta oto-laryng.*—Acta oto-laryngologica. Stockholm.
- Acta reg. Soc. med. Havn.*—Acta Regiae Societatis medicae Havniensis. K. medicinske Selskab. Kjøbenhavn.
- Acta Sch. med. Univ. Kioto.*—Acta Scholae medicinalis Universitatis imperialis in Kioto. Kioto.
- Acta Soc. Fauna Fl. fenn.*—Acta Societatis pro Fauna et Flora Fennica. Helsingfors (Helsinki).
- Acta Soc. Sci. fenn.*—Acta Societatis Scientiarum Fennicae. Helsingfors (Helsinki).
- Acta Univ. latv.*—Latvijas Augstskolas Raksti; Acta Universitatis Latviensis. Riga.
- Acta Univ. lund.*—Acta Universitatis Lundensis. Lund.
- Acta zool.*—Acta zoologica. Stockholm.
- Actual. méd.*—Actualité médicale. Paris.
- Aeronaut. J.*—Aeronautical Journal. J. Royal Aeronautical Society. London.
- Aéronaute.*—L'Aéronaute. Paris.
- Aerzil. Mitt. Baden.*—Aerztliche Mitteilungen aus u. für Baden. Karlsruhe.
- Agric. comm.*—Agriculture commerciale. Paris.
- Agric. Gaz. Canad.*—Agricultural Gazette of Canada. Ottawa.
- Agric. Gaz. N.S.W.*—The Agricultural Gazette of New South Wales. Sydney.
- Agric. J. C.G.H.*—Agricultural Journal of the Cape of Good Hope. Cape Town.
- Agric. J. Un.S.Afr.*—The Agricultural Journal of the Union of South Africa. (Cont'd as: J. Dept. Agric. S. Afr.) Pretoria.
- Agric. Stud. Mag.*—Agricultural Student Magazine. Columbus, Ohio.
- Alauda.*—Alauda; études et notes ornithologiques. 1, 1929+ Dijon, France.
- Album Nat.*—Album der Natuur. Haarlem.
- Alien. & Neurol.*—Alienist and Neurologist. St. Louis.
- Allatorv. Lapok.*—Allatorvosi Lapok. [Veterinary Leaves.] Budapest.
- Allatt. Közlem.*—Allattani Közlemények. Budapest.
- Allg. deuts. Geflügelztg.*—\*Allgemeine deutsche Geflügelzeitung. (1-14, 1877-92? 1-7, 1877-84, as Pfaelzische Geflügel-zeitung.) Leipzig.
- Allg. deuts. naturh. Ztg.*—Allgemeine deutsche naturhistorische Zeitung. Naturwissenschaftliche Gesellschaft Isis. Dresden.
- Allg. wien. med. Ztg.*—Allgemeine wien. medizinische Zeitung. Wien.
- Allg. Z. Psychiat.*—Allgemeine Zeitschrift für Psychiatrie und psychisch-gerichtliche Medizin. Berlin.
- Alpina.*—Alpina. Mitteilungen der Schweizer Alpen-Club. Zürich.

- Amer. Entom.*—The American Entomologist. New York.  
*Amer. Field.*—American Field. Chicago.  
*Amer. Forestry.*—American Forestry. Washington.  
*Amer. J. Anat.*—American Journal of Anatomy. Philadelphia.  
*Amer. J. Hyg.*—American Journal of Hygiene. Baltimore.  
*Amer. J. Med. Sci.*—American Journal of the Medical Sciences. Philadelphia.  
*Amer. J. Ophth.*—American Journal of Ophthalmology. St. Louis.  
*Amer. J. Physiol.*—American Journal of Physiology. Boston.  
*Amer. J. Psychol.*—American Journal of Psychology. Worcester, etc.  
*Amer. J. Sci.*—American Journal of Science. New Haven.  
*Amer. Med.*—American Medicine. Philadelphia.  
*Amer. Midl. Nat.*—American Midland Naturalist. Notre Dame, Indiana.  
*Amer. Mon. Micr. J.*—American Monthly Microscopical Journal. Washington.  
*Amer. Mus. J.*—American Museum Journal. American Museum of Natural History. (Cont'd as: *Nat. Hist. N.Y.*) New York.  
*Amer. Mus. Nov.*—American Museum Novitates. New York.  
*Amer. Nat.*—American Naturalist. Boston.  
*Amer. Orn.*—\*American Ornithology. (1-6, 1901-06.) Worcester.  
*Amer. Vet. Rev.*—American Veterinary Review. (Cont'd as: *J. Amer. Vet. Med. Assoc.*) New York.  
*Amtl. Ber. Ges. deuts. Naturf. Aerzte.*—Amtlicher Bericht über die Versammlung der Gesellschaft Deutscher Naturforscher und Aerzte. Berlin.  
*An. Acad. Habana.*—Anales de la Academia de ciencias médicas, físicas y naturales de la Habana. Habana, Cuba.  
*An. Acad. Méd. Madrid.*—Anales de la Real Academia de medicina. Madrid.  
*An. Inst. Clin. méd. B. Aires.*—Anales del Instituto modelo de clínica médica. Buenos Aires.  
*An. Inst. méd. nac. Méx.*—Anales del Instituto médico nacional. México.  
*An. Mus. La Plata.*—Anales del Museo de La Plata. La Plata, Argentina.  
*An. Mus. nac. B. Aires.*—Anales del Museo nacional de historia natural de Buenos Aires. Buenos Aires.  
*An. Soc. cient. argent.*—Anales de la Sociedad científica argentina. Buenos Aires.  
*An. Soc. esp. Hist. nat.*—Anales de la Sociedad española de historia natural. Madrid.  
*Analyst.*—Analyst. London.  
*Anat. Anz.*—Anatomischer Anzeiger. Jena.  
*Anat. Heftr.*—Anatomische Hefte. Beiträge und Referate zur Anatomie und Entwicklungsgeschichte. Abt. 1. Arbeiten aus anatomischen Instituten. (See *Z. ges. Anat.*, Abt. 1.) Abt. 2. Ergebnisse der Anatomie und Entwicklungsgeschichte. (See *Z. ges. Anat.*, Abt. 3.) Wiesbaden.  
*Anat. Rec.*—Anatomical Record. Philadelphia.  
*Anat. Stud.*—Anatomische Studien. Leipzig.  
*Ann. Acad. Mâcon.*—Annales de l'Académie de Mâcon. Mâcon, France.  
*Ann. Acc. Agric. Torino.*—Annali della R. Accademia d'agricoltura di Torino. Torino.  
*Ann. Anat. Physiol. path.*—Annales de l'anatomie et de la physiologie pathologiques. Paris.  
*Ann. Basses-Alpes.*—Annales des Basses-Alpes. Bulletin de la Société scientifique et littéraire des Basses-Alpes. Digne, France.  
*Ann. biol. Paris.*—L'Année biologique. Comptes rendus des travaux de biologie générale. Paris.  
*Ann. Bur. mét. Fr.*—Annales du Bureau central météorologique de France. Paris.  
*Ann. Carnegie Mus.*—Annals of the Carnegie Museum. Pittsburgh.

- Ann. Chem. Med.*—Annals of Chemical Medicine. London.
- Ann. Chem. Pharm.*—Annalen der Chemie und Pharmacie (Liebig). Leipzig.
- Ann. Chim. (Phys.)*—Annales de chimie (et de physique). Paris.
- Ann. Derm. Syph. Paris.*—Annales de dermatologie et de syphiligraphie. Paris.
- Ann. Ent. Soc. Amer.*—Annals of the Entomological Society of America. Columbus, Ohio.
- Ann. Fac. Med. Perugia.*—Annali della Facoltà di medicina della Università. (Sub-title varies. Ser. 2, 1-9, as *Atti Acc. med.-chir. Perugia*. 10 12, as *Memorie della Accad.*) Perugia.
- Ann. Fac. Sci. Marseille.*—Annales de la Faculté des sciences de Marseille. Marseille.
- Ann. franç. Anat. Physiol. Méd. Hist. nat.*—Annales françaises et étrangères d'anatomie et de physiologie, appliquées à la médecine et à l'histoire naturelle. Paris.
- Ann. franç. Arts Sci. Lett.*—Annales françaises des arts, des sciences, et des lettres. Paris.
- Ann. franç. étrang. Anat. Physiol.*—Annales françaises et étrangères d'anatomie et de physiologie. Paris.
- Ann. Freniat.*—Annali di freniatria e scienze affini. Torino.
- Ann. gén. Sci. phys.*—Annales générales des sciences physiques. Bruxelles.
- Ann. Gynéc. Obstét.*—Annales de gynécologie et d'obstétrique. Paris.
- Ann. hist.-nat. Mus. hung.*—Annales historico-naturelles Musei nationalis Hungarici. A Magyar Nemzeti Múzeum Természettudományi Osztályainak Folyóirata. (Continues *Termész. Fuz.*) Budapest.
- Ann. Hyg. prat.*—Annales d'hygiène pratique. Etampes.
- Ann. Igi. (sper.)*—Annali di igiene (sperimentale). Torino.
- Ann. Inst. Pasteur.*—Annales de l'Institut Pasteur. Paris.
- Ann. Ist. maragliano.*—Annali dell'Istituto maragliano per lo studio e la cura della tubercolosi. Genova.
- Ann. Lyc. Nat. Hist. N.Y.*—Annals of the Lyceum of Natural History of New York. New York.
- Ann. Mag. Nat. Hist.*—The Annals and Magazine of Natural History, including Zoology, Botany, and Geology. (Ser. 1, 1-5, reads: *Annals of Natural History*; or *Magazine of Zoology, Botany and Geology*. Continuation of *Mag. Zool. Bot.* In 1841, *Mag. Nat. Hist.* was incorporated with this periodical.) London.
- Ann. Mal. Oreil. Larynx.*—Annales des maladies de l'oreille et du larynx. Paris.
- Ann. Med. nav. col.*—Annali di medicina navale e coloniale. Roma.
- Ann. Méd. vét.*—Annales de médecine vétérinaire. Bruxelles.
- Ann. Microg. Paris.*—Annales de micrographie spécialement consacrées à la bactériologie aux protophytes et aux protozoaires. Paris.
- Ann. Min. Paris.*—Annales des mines. Paris.
- Ann. Mus. Hist. nat. Marseille.*—Annales du Musée d'histoire naturelle de Marseille. Marseille.
- Ann. Mus. Hist. nat. Paris.*—Annales du Muséum d'histoire naturelle. Paris.
- Ann. Mus. Stor. nat. Genova.*—Annali del Museo civico di storia naturale di Genova.
- Ann. N.Y. Acad. Sci.*—Annals of the New York Academy of Sciences. New York.
- Ann. Natal Govt. Mus. Lond.*—Annals of the Natal Government Museum. London.
- Ann. Natal Mus.*—Annals of the Natal Museum. Pietermaritzburg.
- Ann. naturh. (Mus.) Hofmus. Wien.*—Annalen des K. K. Naturhistorischen (Museums) Hofmuseums. Wien.
- Ann. Neurol.*—Annali di neurologia. Napoli.
- Ann. Oculist.*—Annales d'oculistique. Paris.

- Ann. Ottalm.*—Annali di ottalmologia. Pavia.
- Ann. Ottalm. Clin. ocul.*—Annali di ottalmologia e clinica oculistica. Pavia.
- Ann. Paléont.*—Annales de paléontologie. Paris.
- Ann. Paras. hum. comp.*—Annales de parasitologie humaine et comparée. Paris.
- Ann. Phil.*—The Annals of Philosophy. London.
- Ann. Phys.*—Annalen der Physik. Halle; Leipzig.
- Ann. Phys. Chem.*—Annalen der Physik und Chemie. Halle; Leipzig.
- Ann. Phys. phys. Chem.*—Annalen der Physik und der physikalischen Chemie. (Continues *Ann. Phys.* Title varies.) Leipzig.
- Ann. Physiol.*—Annales de physiologie et de physicochimie biologique. Paris.
- Ann. Psychol. zool.*—Annales de la psychologie zoologique. Paris.
- Ann. Qd. Mus.*—Annals of the Queensland Museum. Brisbane.
- Ann. Sci. nat.*—Annales des sciences naturelles. (b) Zoologie. Paris.
- Ann. Sci. Observ.*—Annales des sciences d'observation. Paris.
- Ann. Scot. Nat. Hist.*—Annals of Scottish Natural History. (Cont'd as: *Scot. Nat.*) Edinburgh.
- Ann. Soc. acad. Nantes.*—Annales de la Société R. académique de Nantes et du département de la Loire-Inférieure. Title varies.
- Ann. Soc. Agric. Loire.*—Annales de la Société d'agriculture, etc., du département de la Loire. St. Etienne.
- Ann. Soc. Agric. Lyon.*—Annales de la Société d'agriculture, histoire naturelle et arts utiles de Lyon. Lyon.
- Ann. Soc. belge Micr.*—Annales de la Société belge de microscopie. Bruxelles.
- Ann. Soc. Emul. Ain.*—Annales de la Société d'émulation de l'agriculture, sciences, lettres et arts de l'Ain. Bourg.
- Ann. Soc. Emul. Vosges.*—Annales de la Société d'émulation du département des Vosges. Epinal.
- Ann. Soc. ent. Fr.*—Annales de la Société entomologique de France. Paris.
- Ann. Soc. géol. Belg.*—Annales de la Société géologique de Belgique. Liège.
- Ann. Soc. Lett. Sci. Arts Alpes-Marit.*—Annales de la Société des lettres, sciences et arts des Alpes-Maritimes. Nice.
- Ann. Soc. linn. Angers.*—Annales de la Société linnéenne de Maine et Loire. Angers.
- Ann. Soc. linn. Lyon.*—Annales de la Société linnéenne de Lyon.
- Ann. Soc. Méd. Gand.*—Annales de la Société de médecine de Gand. Gand, Belgium.
- Ann. Soc. Méd. St. Etienne.*—Annales de la Société de médecine de Saint-Etienne et de la Loire. Saint-Etienne.
- Ann. Soc. Sci. méd. nat. Brux.*—Annales de la Société R. des sciences médicales et naturelles de Bruxelles. Bruxelles.
- Ann. Soc. zool. malac. Belg.*—Annales de la Société R. zoologique et malacologique de Belgique. Bruxelles.
- Ann. Transv. Mus.*—Annals of the Transvaal Museum. Pretoria.
- Ann. Trop. Med. Parasit.*—Annals of Tropical Medicine and Parasitology. Liverpool.
- Ann. Univ. Brux. Fac. Méd.*—Annales de l'Université de Bruxelles. Faculté de médecine. Bruxelles.
- Ann. Univ. Lyon.*—Annales de l'Université de Lyon. I. Sciences, Médecine. Lyon.
- Ann. univ. Med.*—Annali universali di medicina e chirurgia. (Continues *Annali di medicina straniera*. 1817-74 as *Annali universali di medicina*.) Milano.
- Ann. Univ. Perugia.*—Annali dell'Università libera di Perugia. Facoltà di medicina e chirurgia. Perugia.
- Année for.*—Année forestière. Paris.
- Annot. zool. jap.*—Annotationes zoologicae Japonensis. Tokyo.



- Annu. Mus. zool. Acad. St. Pétersb.*—Ezhegodnik Zoologicheskago Muzeia Imp. Akademii Nauk [Annuaire du Musée zoologique de l'Académie Impériale des sciences]. Leningrad.
- Annu. Soc. Emul. Vendée.*—Annuaire de la Société d'émulation de la Vendée. (Agriculture, sciences, histoire, lettres et arts.) La Roche-sur-Yon.
- Annu. Soc. Nat. Mat. Modena.*—Annuario della Società dei naturalisti e matematici di Modena.
- Anz. Akad. Wiss. Krakau.*—Anzeiger der Akademie der Wissenschaften in Krakau. See *Bull. int. Acad. Cracovie*.
- Anz. Akad. Wiss. Wien.*—Anzeiger der Kais. Akademie der Wissenschaften. Math. Kl. Wien.
- Anz. bohm. Aerzte Naturf.*—Anzeiger der Versammlung der Bohmische Aerzte und Naturforscher. Oznamovatel Druhého Sjezdu Ceskych Lekáru, etc.
- Anz. Ges. Aerzte Wien.*—Anzeiger der Gesellschaft der Aerzte in Wien.
- Anz. orn. Ges. Bayern.*—\*Anzeiger der Ornithologischen Gesellschaft in Bayern. (1, 1919+) München.
- Apicoltore.*—Apicoltore. Milano.
- Aquila.*—\*Aquila. A Magyar Ornithologiai Központ Folyóirata. (1, 1894+) Budapest.
- Arb. anat. Inst. Sendai.*—Arbeiten aus dem Anatomischen Institut der K. Japanischen Universität zu Sendai. Tokyo.
- Arb. biol. Anst. (Abt.) Berl.*—Arbeiten aus der Biologischen (Anstalt f. Land- u. Forstwirtschaft) Abteilung f. Land- u. Forstwirtschaft am Kais. Gesundheitsamte. Berlin.
- Arb. Gesundh.Amt. Berl.*—Arbeiten aus dem Kais. Gesundheitsamte (Beih. zu d. Veröffentlichungen d. Kais. Gesundheitsamtes). Berlin.
- Arb. neurol. Inst. Univ. Wien.*—Arbeiten aus dem Neurologischen Institut (Institut f. Anatomie u. Physiologie d. Zentralnervensystems) an der Wiener Univ. Leipzig; Wien.
- Arb. path. Anat. Bakt.*—Arbeiten auf d. Gebiet der pathologischen Anatomie u. Bakteriologie a. d. Pathologisch-anatomischen Institut zu Tübingen. Braunschweig; Leipzig.
- Arb. path. Inst. Univ. Helsingf.*—Arbeiten aus dem Pathologischen Institut der Univ. Helsingfors. Berlin.
- Arb. zool. Inst. Graz.*—Arbeiten aus dem Zoologischen Institut zu Graz. Leipzig.
- Arb. zool. Inst. Univ. Wien.*—Arbeiten aus dem Zoologischen Instituten der Univ. Wien und der Zoologischen Station in Triest. Wien.
- Arb. zool.-zoot. Inst.*—Arbeiten aus dem Zoologisch-zootomisches Institut in Würzburg. Würzburg; Hamburg; Wiesbaden.
- Arch. Agric. Nord.*—Archives de l'agriculture du nord de la France. Lille.
- Arch. Anat. micr.*—Archives d'anatomie microscopique. Paris.
- Arch. Anat. Physiol.*—Archiv für Anatomie und Physiologie. (Continues *Deuts. Arch. Physiol.* 1826–32, Meckel's Archiv; 1834–58, Müller's Archiv; 1834–76, Arch. f. Anat. Physiol. und wissenschaftliche Medicin. In 1877, divided into two parts: Anat. Abt.=Arch. f. Anat. und Entwicklungsgeschichte; Physiol. Abt.=Arch. f. Physiologie.) Leipzig.
- Arch. Anthropol. Braunsch.*—Archiv für Anthropologie. Braunschweig.
- Arch. Antrop. crim.*—Archivio di antropologia criminale, psichiatria, e medicina legale. Torino.
- Arch. Augenhilk.*—Archiv für Augenheilkunde. Wiesbaden.
- Arch. Biol.*—Archives de biologie. Paris; Gand; Liège.
- Arch. Biontol. Berl.*—Archiv für Biontologie (Gesellschaft Naturforschenden Freunde). Berlin.
- Arch. Biothér.*—Archives de biothérapie. Paris.
- Arch. clin. Bordeaux.*—Archives cliniques de Bordeaux. Bordeaux; Paris.

- Arch. EntwMech.*—Archiv fur Entwicklungsmechanik der Organismen. (In 1923, united with *Arch. mikr. Anat.* as Abt. D. of *Z. wiss. Biol.*) Leipzig.
- Arch. exp. Path. Pharmac.*—Archiv fur experimentelle Pathologie und Pharmakologie. Leipzig.
- Arch. exp. Zellf.*—Archiv fur experimentelle Zellforschung besonders Gewebebeziehung. Jena.
- Arch. Farmacol. spir.* Archivio di farmacologia sperimentale e scienze affini. Roma.
- Arch. Farmacol. Terap.*—Archivio di farmacologia e terapeutica. Palermo.
- Arch. Fisiol.*—Archivio di fisiologia. Firenze.
- Arch. gén. Méd.*—Archives générales de médecine. Paris.
- Arch. ges. Physiol.*—Pfluger's Archiv fur die gesamte Physiologie des Menschen und der Thiere. Bonn.
- Arch. ges. Psychol.*—Archiv fur die gesamte Psychologie. Leipzig.
- Arch. Gynaek.*—Archiv fur Gynaekologie. Berlin.
- Arch. holland. Beitr. Nat. Heilk.*—Archiv fur die hollandischen Beitrage zur Natur und Heilkunde. Utrecht.
- Arch. Hyg. Munch.*—Archiv fur Hygiene. Munchen; Berlin.
- Arch. int. Méd. lég.*—Archives internationales de médecine légale. (Cont'd as: *Revue de droit pénal*, etc.). Liège; Bruxelles.
- Arch. int. Physiol.*—Archives internationales de physiologie. Liège; Paris.
- Arch. ital. Anat. Embriol.*—Archivio italiano di anatomia e di embriologia. Firenze.
- Arch. ital. Biol.*—Archives italiennes de biologie. Pisa; Rome, etc.
- Arch. klin. Chir.*—Archiv fur klinische Chirurgie. Berlin.
- Arch. maroc.*—Archives marocaines. Paris.
- Arch. méd. Angers.*—Archives médicales d'Angers. Angers.
- Arch. Méd. comp.*—Archives de médecine comparée. Paris.
- Arch. Méd. expér.*—Archives de médecine expérimentale et d'anatomie pathologique. Paris.
- Arch. méd.-chir. Normandie.*—Archives médico-chirurgicales de Normandie. Le Havre.
- Arch. méd.-chir. Poitou.*—Archives médico-chirurgicales du Poitou. Poitiers.
- Arch. mikr. Anat.*—Archiv fur mikroskopische Anatomie. (In 1923, united with *Arch. EntwMech.* as Abt. D. of *Z. wiss. Biol.*) Bonn.
- Arch. Mus. Hist. nat. Paris.*—Archives du Muséum national d'histoire naturelle. Paris.
- Arch. Naturgesch.*—Archiv fur Naturgeschichte. Berlin.
- Arch. néerland. Physiol.*—Archives néerlandaises de physiologie de l'homme et des animaux. 's Gravenhage.
- Arch. néerland. Sci.*—Archives néerlandaises des sciences exactes et naturelles. La Société hollandaise des sciences à Harlem. 's Gravenhage.
- Arch. Neurobiol. Madrid.*—Archivos de neurobiología, etc. Madrid.
- Arch. Neurol. Psychiat. Chicago.*—Archives of Neurology and Psychiatry. Chicago.
- Arch. nouv. Mus. Hist. nat. Paris.*—Archives nouvelles du Muséum d'histoire naturelle. Paris.
- Arch. Ohr-, Nas.- u. KehlkHk.*—Archiv fur Ohren-, Nasen- u. Kehlkopfheilkunde. (Title varies. 1-97 as *Arch. f. Nasenheilkunde*.) Leipzig.
- Arch. Ophthal.*—Archives d'ophtalmologie. Paris.
- Arch. Ophth. (Graefe)*—Albrecht von Graefe's Archiv fur Ophthalmologie. Leipzig.
- Arch. Ottalm.*—Archivio di ottalmologia. Napoli.
- Arch. Parasit. Paris.*—Archives de parasitologie. Paris.
- Arch. path. Anat. Physiol.*—Virchows Archiv fur pathologische Anatomie und Physiologie und fur klinische Medizin. Berlin.

- Arch. Pediat.*—Archives of Pediatrics. New York.
- Arch. Physiol. Halle.*—Archiv für die Physiologie. (Reil u. Autenreith.) Halle.
- Arch. physiol. Heilk.*—Archiv für physiologische Heilkunde. Stuttgart.
- Arch. Physiol. norm. path.*—Archives de physiologie, normale et pathologique. Paris.
- Arch. Protistenk.*—Archiv für Protistenkunde. Jena.
- Arch. prov. Méd.*—Archives provinciales de médecine. Paris.
- Arch. Psych. Genève.*—Archives de psychologie. Genève; Paris.
- Arch. Psychiat. Nervenkr.*—Archiv für Psychiatrie u. Nervenkrankheiten. Berlin.
- Arch. Rass.- u. GesBiol.*—Archiv für Rassen- und Gesellschaftsbiologie. Leipzig; Berlin.
- Arch. Schiffs- u. Tropenhyg.*—Archiv für Schiffs- und Tropenhygiene, unter bes. Ber. d. Pathologie u. Therapie. Leipzig.
- Arch. Sci. biol. Napoli.*—Archivio di scienze biologiche. Napoli.
- Arch. Sci. méd.*—Archives des sciences médicales. Paris.
- Arch. Sci. med. Torino.*—Archivio per le scienze mediche. Torino.
- Arch. sci. Med. vet.*—Archivio scientifico di medicina veterinaria. Torino.
- Arch. Sci. phys. nat.*—Archives des sciences physiques et naturelles. Genève; Lausanne; Paris.
- Arch. Sci. Prac. Med.*—Archives of Scientific and Practical Medicine and Surgery. Philadelphia; New York.
- Arch. sci. Soc. vet. ital.*—Archivio scientifico della R. Società ed Accademia veterinaria italiana. (Cont'd as: *Arch. sci. Med. vet.*) Torino.
- Arch. Soc. ital. Chir.*—Archivio ed atti della Società italiana di chirurgia. Roma.
- Arch. Thierhkl.*—Archiv für Thierheilkunde. Aarau; Zurich.
- Arch. Ver. Fr. Naturg. Mecklen.*—Archiv des Vereins der Freunde der Naturgeschichte in Mecklenburg. Gustrow.
- Arch. VerdauKr.*—Archiv für Verdauungskrankheiten mit Einschl. d. Stoffwechselpathologie u. d. Diätetik. Berlin.
- Arch. vergl. Ophth.*—Archiv für vergleichende Ophthalmologie. Leipzig.
- Arch. wiss. prakt. Tierhkl.*—Archiv für wissenschaftliche und praktische Tierheilkunde. Berlin.
- Arch. Zellforsch.*—Archiv für Zellforschung. Leipzig.
- Arch. Zool. Anat. Fisiol.*—Archivio per la zoologia, l'anatomia e la fisiologia. Genova; Modena; Bologna.
- Arch. Zool. exp. gén.*—Archives de zoologie expérimentale et générale. Paris.
- Arch. zool. (ital.) Napoli.*—Archivio zoologico (italiano). Napoli.
- Arch. Zool. Zoot.*—Archiv für zoologie und zootomie. Berlin.
- Ardea.*—\*Ardea. Nederlandsche Ornithologische Vereeniging. (1, 1912+) Leiden.
- Ark. Zool.*—Arkiv för zoologi utgifvet af K. Svenska vetenskapsakademien. Stockholm.
- Arkh. vet. Nauk.*—Arkiv Veterinarnykh Nauk (Archives des sciences vétérinaires). Leningrad.
- Arsskr. Vel. Soc. Upsala.*—Arsskrift utgifven af K. Vetenskaps-societeten i Upsala.
- Art méd. Anvers.*—Art médical. Anvers.
- Art méd. Paris.*—Art médical. Paris.
- Ateneo veneto.*—Ateneo veneto. Rivista mensile di scienze, lettere et arti. Venezia.
- Atti Acc. Agiati.*—Atti della I. R. Accademia roveretana di scienze, lettere ed arti degli Agiati. Rovereto.
- Atti Acc. Fisiocr. Siena.*—Atti della R. Accademia dei fisiocritici di Siena. Siena.
- Atti Acc. Georgo. Firenze.*—Atti della R. Accademia dei Georgofili di Firenze. Firenze.
- Atti Acc. gioenia.*—Atti della R. Accademia gioenia di scienze naturali. Catania.

- Atti Acc. Lincei.*—Atti della Reale Accademia nazionale dei Lincei. (1870–76. Cont'd. in three series: *Transunti*, 1876–84; *Memorie della classe di scienze fisiche*, 1876+; *Memorie della classe di scienze morali*, 1876+ Each series bears the general title *Atti*. For 1847–70, 1–23 see *Atti Acc. "Nuovi Lincei."* *Rendiconti della classe di scienze fisiche etc.*, 1884–91. *Rendiconti delle sedute solenni*, 1892+) Roma.
- Atti Acc. med-chir. Napoli.*—Atti della R. Accademia medico-chirurgica. Napoli.
- Atti Acc. med-chir. Perugia.*—Atti e rendiconti della Accademia medico-chirurgica di Perugia. Subtitle varies.
- Atti Acc. "Nuovi Lincei."*—Atti dell'Accademia pontificia dei Nuovi Lincei. (After 55: *Atti della pontificia Accademia romana dei Nuovi Lincei.*) Roma.
- Atti Acc. Padova.*—Atti e Memorie della R. Accademia di scienze, lettere ed arti. Padova.
- Atti Acc. Palermo.*—Atti dell'Accademia di scienze, lettere ed arti. Palermo.
- Atti Acc. pontaniana.*—Atti della R. Accademia pontaniana. Napoli.
- Atti Acc. Sci. fis. mat. Napoli.*—Atti dell'Accademia delle scienze fisiche e matematiche. Napoli.
- Atti Acc. Sci. med. nat. Ferrara.*—Atti della Accademia delle scienze mediche e naturali in Ferrara. Ferrara.
- Atti Acc. Sci. Modena.*—Atti dell'Accademia di scienze, lettere ed arti in Modena.
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- Atti Acc. Torino.*—Atti della R. Accademia delle scienze. Torino.
- Atti Acc. Zelanti.*—Atti e rendiconti della R. Accademia degli Zelanti. Acireale.
- Atti Congr. Nat. ital.*—Atti del Congresso dei naturalisti italiani. Milano.
- Atti Ist. Sci. nat. Napoli.*—Atti dell'Istituto d'incoraggiamento alle scienze naturali. Napoli.
- Atti Ist. veneto.*—Atti del Reale Istituto veneto di scienze, lettere ed arti. Venezia.
- Atti Mus. Stor. nat. Trieste.*—Atti del Museo civico di storia naturale di Trieste.
- Atti Soc. ital. Patol.*—Atti della Società italiana di patologia. Pavia.
- Atti Soc. ital. Prog. Sci.*—Atti della Società italiana per il progresso delle scienze. Roma.
- Atti Soc. ital. Sci. nat.*—Atti della Società italiana di scienze naturali e del Museo civico di storia naturale. Milano.
- Atti Soc. ligust. Sci. nat. geog.*—Atti della Società ligustica di scienze naturali e geografiche. Genova.
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- Aust. Med. J.*—Australian Medical Journal. Melbourne.
- Aust. Zool.*—Australian Zoologist. Sydney.
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- Beitr. Anat. etc., Ohr.*—Beiträge zur Anatomie, Physiologie, Pathologie u. Therapie d. Ohres, d. Nase u. d. Halses. Berlin.

- Beitr. Anat. Physiol.*—Beiträge zur Anatomie und Physiologie. Giessen.
- Beitr. chem. Physiol. Path.*—Beiträge zur chemischen Physiologie und Pathologie. Zeitschrift für die gesammte Biochemie. Braunschweig.
- Beitr. Fortpfl.Biol. Vögel.*—\*Beiträge zur Fortpflanzungsbiologie der Vögel mit Berücksichtigung der Oologie. (1, 1924+) Berlin.
- Beitr. Geburtsh. Gynäk.*—Beiträge zur Geburtshilfe u. Gynäkologie. Leipzig.
- Beitr. Morph.*—Beiträge zur Morphologie und Morphogenie. Erlangen; Stuttgart.
- Beitr. path. Anat.*—Beiträge zur pathologischen Anatomie u. zur allg. Pathologie. Jena.
- Beitr. Physiol.*—Beiträge zur Physiologie. Berlin.
- Beitr. Tierhkl.*—Beiträge zur Tierheilkunde. Berlin.
- Ber. annaberg-buchh. Ver. Naturk.*—Bericht über den Annaberg-Buchholzer Verein für Naturkunde. Annaberg.
- Ber. deuts. chem. Ges.*—Berichte der Deutschen Chemischen Gesellschaft. Berlin.
- Ber. deuts. Naturf. Aerzte.*—Bericht der Deutschen Naturforscher und Aerzte.
- Ber. deuts. orn. Ges.*—\*Bericht über die Versammlung der Deutsche Ornithologengesellschaft. (13–14, 16–21, 1860–75. Reports of first 12 meetings published in *Naumannia*.) Stuttgart.
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- Ber. Fr. Naturw. Wien.*—Berichte über die Mittheilungen von Freunden der Naturwissenschaften im Wien. Wien.
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- Ber. ges. Physiol.*—Berichte über die gesamte Physiologie. Berlin.
- Ber. landw. Inst. Königsberg.*—Bericht des Landwirtschaftlichen Instituts der Universität Königsberg i. Pr. Berlin.
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- Ber. naturf. Ges. Basel.*—Berichte über die Verhandlungen der Naturforschende Gesellschaft in Basel.
- Ber. naturf. Ges. Freiburg i. B.*—Berichte der Naturforschende Gesellschaft zu Freiburg i. Br.
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- Ber. naturw. Sekl. schles. Ges. vaterl. Kult.*—Bericht über die Thätigkeit der Schlesische Gesellschaft für Vaterländische Kultur. Breslau.
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- Ber. oberhess. Ges. Nat.- u. Heilk.*—Bericht der Oberhessischen Gesellschaft für Natur- u. Heilkunde. Giessen.
- Ber. Philomath. Neisse.*—Bericht der Wissenschaftlichen Gesellschaft "Philomathie" in Neisse. Neisse.
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- Bol. Inst. Med. exp. Buenos Aires.*—Boletín del Instituto de medicina experimental para el estudio y tratamiento del cáncer. Buenos Aires.
- Bol. Soc. aragon. Cienc.nat.*—Boletín de la Sociedad aragonesa de ciencias naturales. Zaragoza.

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- Boll. Acc. med. Genova.*—Bollettino della R. Accademia medica. Genova.
- Boll. Com. agr. Pavia.*—Bollettino del Comizio agrario. Pavia.
- Boll. Ist. zool. Palermo.*—Bollettino Istituto zoologica. R. Università di Palermo. Palermo.
- Boll. Mus. Zool. Anat. comp. Genova.*—Bollettino dei Musei di zoologia e di anatomia comparata della R. Università. Genova.
- Boll. sci.*—Bollettino scientifico. Milan; Pavia.
- Boll. Sci. med.*—Bollettino delle scienze mediche. Bologna.
- Boll. Soc. adriat. Sci. nat.*—Bollettino della Società adriatica di scienze naturali in Trieste. Trieste.
- Boll. Soc. Biol. speriment.*—Bollettino della Società italiana di biologia sperimentale. Napoli.
- Boll. Soc. ital. Aliment.*—Bollettino della Società italiana per lo studio della alimentazione. Firenze.
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- Brit. Med. J.*—British Medical Journal. London.
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- Bull. Soc. fribourg. Sci. nat.*.—Bulletin de la Société fribourgeoise des sciences naturelles. Fribourg, Switzerland.
- Bull. Soc. géol. Fr.*.—Bulletin de la Société géologique de France. Paris.
- Bull. Soc. Hist. nat. Afr. N.*.—Bulletin de la Société d'histoire naturelle de l'Afrique du Nord. Alger.
- Bull. Soc. Hist. nat. Autun.*.—Bulletin de la Société d'histoire naturelle d'Autun.
- Bull. Soc. Hist. nat. Colmar.*.—Bulletin de la Société d'histoire naturelle de Colmar. (Mitteilungen der Naturhistorischen Gesellschaft in Colmar.)
- Bull. Soc. Hist. nat. Doubs.*.—Bulletin de la Société d'histoire naturelle du Doubs. Besançon.
- Bull. Soc. Hist. nat. Moselle.*.—Bulletin de la Société d'histoire naturelle du département de la Moselle. After 1873: Bull. Soc. Hist. nat. Metz.
- Bull. Soc. Hist. nat. Toulouse.*.—Bulletin de la Société d'histoire naturelle de Toulouse. Toulouse.

- Bull. Soc. linn. Nord.*—Bulletin de la Société linnéenne du nord de la France. Amiens.
- Bull. Soc. linn. Normandie.*—Bulletin de la Société linnéenne de Normandie.
- Bull. Soc. Méd. Chir. Bordeaux.*—Bulletin et mémoires de la Société de médecine et de chirurgie de Bordeaux. Paris; Bordeaux.
- Bull. Soc. Méd. Chir. prat. Paris.*—Bulletin et mémoires de la Société de médecine et de chirurgie pratiques de Paris. Continuation of: *Bull. Soc. de méd. prat. de Paris.*
- Bull. Soc. Méd. Gand.*—Bulletin de la Société de médecine de Gand. (Cont'd as: *Annales et bulletin.*) Gand, Belgium.
- Bull. Soc. méd. Hôp. Lyon.*—Bulletin de la Société médicale des hôpitaux de Lyon. Lyon.
- Bull. Soc. méd. Hôp. Paris.*—Bulletin et mémoires de la Société médicale des hôpitaux de Paris. Paris.
- Bull. Soc. Méd. ment. Belg.*—Bulletin de la Société de médecine mentale de Belgique. Bruxelles.
- Bull. Soc. Méd. publ. Hyg.*—Bulletin de la Société de médecine publique et d'hygiène professionnelle. Paris.
- Bull. Soc. méd.-chir. Paris.*—Bulletin de la Société médico-chirurgicale de Paris. Paris.
- Bull. Soc. nat. Agric. Fr.*—Bulletin des séances de la Société nationale d'agriculture de France. (Cont'd as: *C. R. Acad. Agric. Fr.* Title varies.) Paris.
- Bull. Soc. Nat. luxemburg.*—Bulletin mensuel de la Société des naturalistes luxembourgeois. (Monatsberichte Gesellschaft Luxemburger Naturfreunde.) Luxemburg.
- Bull. Soc. Nat. Moscou.*—Bulletin de la Société Impériale des naturalistes de Moscou. [Izviestia Moskoskoe Obshchestva Ispytatelei Prirody.] Moskva.
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- Bull. Soc. nivern. Lett. Sci.*—Bulletin de la Société nivernaise des lettres, sciences et arts. Nevers.
- Bull. Soc. orn. suisse.*—\*Bulletin de la Société ornithologique suisse. (1-2, 1865-70.) Genève.
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- Bull. Soc. Path. exotique.*—Bulletin de la Société de pathologie exotique. Paris.
- Bull. Soc. philom. Paris.*—Bulletin de la Société philomathique de Paris.
- Bull. Soc. polym. Morbihan.*—Bulletin de la Société polymathique du Morbihan. Vannes.
- Bull. Soc. Psych. physiol.*—Bulletins de la Société de psychologie physiologique. Paris.
- Bull. Soc. roum. Sci.*—Buletinul Societății Române de Stiințe. București.
- Bull. Soc. Sci. hist. nat. Yonne.*—Bulletin de la Société des sciences historiques et naturelles de l'Yonne. Auxerre.
- Bull. Soc. Sci. méd. nat. Brux.*—Bulletin de la Société R. des sciences médicales et naturelles de Bruxelles. (Cont'd as: *Annales et bulletin de séances.*) Bruxelles.
- Bull. Soc. sci. méd. Ouest.*—Bulletin de la Société scientifique et médicale de l'Ouest. Rennes.
- Bull. Soc. Sci. Moscow.*—Bull. of the Imperial Society of Lovers of Natural Science, Anthropology, and Ethnography, in Connection with the Imperial University of Moscow. Izviestia Imp. Obshchestva Liubitelei Estestvoznania, Antropologii i Etnografii pri Imp. Moskovskom Univ. Moskva.
- Bull. Soc. Sci. Nancy.*—Bulletin des séances de la Société des sciences de Nancy.

- Bull. Soc. Sci. nat. Elbeuf.*—Bulletin de la Société d'étude des sciences naturelles d'Elbeuf. Elbeuf.
- Bull. Soc. Sci. nat. Nîmes.*—Bulletin de la Société d'étude des sciences naturelles de Nîmes. Nîmes.
- Bull. Soc. Sci. nat. Ouest.*—Bulletin de la Société des sciences naturelles de l'ouest de la France. Nantes.
- Bull. Soc. Sci. nat. Reims.*—Bulletin de la Société d'étude des sciences naturelles de Reims. Reims.
- Bull. Soc. Sci. nat. Rouen.*—Bulletin de la Société des amis des sciences naturelles de Rouen. Rouen.
- Bull. Soc. Sci. nat. Saône-et-Loire.*—Bulletin de la Société des sciences naturelles de Saône-et-Loire. Châlon-sur-Saône.
- Bull. Soc. Sci. vét. Lyon.*—Bulletin et mémoires de la Société des sciences vétérinaires de Lyon.
- Bull. Soc. Statist. Sci. nat. Isère.*—Bulletin de la Société de statistique, des sciences naturelles et des arts industriels du dép. de l'Isère. Grenoble.
- Bull. Soc. vaud. Sci. nat.*—Bulletin de la Société vaudoise des sciences naturelles. Lausanne.
- Bull. Soc. veneto-trent. Sci. nat.*—Bullettino della Società (Accademia scientifica veneto-trentino-istriana) veneto-trentina di scienze naturali. Padova.
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- Bull. Soc. zool. Genève.*—Bulletin de la Société zoologique de Genève. Genève.
- Bull. Storrs Agric. Expt. Sta.*—Bulletin of the Storrs Agricultural Experiment Station. Storrs, Conn.
- Bull. Tex. Agric. Expt. Sta.*—Bulletin. Texas Agricultural Experiment Station. Austin.
- Bull. U. S. Bur. Anim. Ind.*—Bulletin. United States Dept. of Agriculture. Bureau of Animal Industry. Washington.
- Bull. U. S. Bur. Biol. Surv.*—Bulletin. United States Dept. of Agriculture. Bureau of Biological Survey. (Preceded by: Div. Economic Ornith., 1885; Div. Ornith. and Mammology, 1886-1896; Div. Biol. Surv., 1896-1905.) Washington.
- Bull. U. S. Dept. Agric.*—Bulletin. United States Dept. of Agriculture. Washington.
- Bull. U. S. Div. Chem.*—Bulletin. United States Dept. of Agriculture. Bureau (Division) of Chemistry. Washington.
- Bull. U. S. Div. Ent.*—Bulletin. United States Dept. of Agriculture. Bureau (Division) of Entomology. Washington.
- Bull. U. S. Fish Comm.*—Bulletin of the United States Fish Commission. (Cont'd as: Bulletin of the Bureau of Fisheries.) Washington.
- Bull. U. S. Geol. Geog. Surv. Terr.*—Bulletin of the United States Geological and Geographical Survey of the Territories. Washington.
- Bull. U. S. Nat. Mus.*—Bulletin of the United States National Museum. Smithsonian Institution. Washington.
- Bull. Univ. Asie centr.*—Bulletin de l'Université de l'Asie Centrale (Tachkent). . . . Bulletin Sredne-aziatskogo Gosudarstvennogo Universiteta. Tashkent.
- Bull. Univ. New Mex. Biol. Ser.*—Bulletin of the University of New Mexico. Biological series. Albuquerque.
- Bull. Utah Agric. Expt. Sta.*—Bulletin of the Utah Agricultural Experiment Station. Logan.
- Bull. W. Virginia Agric. Expt. Sta.*—Bulletin of the West Virginia University Agricultural Experiment Station. Morgantown.
- Bull. W. Virginia Dept. Agric.*—Bulletin. West Virginia Dept. of Agriculture. Charleston.
- Bull. West. Reserve Univ.*—Bulletin. Western Reserve University. Cleveland, Ohio.
- Bull. Wis. Nat. Hist. Soc.*—Bulletin of the Wisconsin Natural History Society. Milwaukee.

- Bull. Worthington Soc.*—\*Bulletin of the Worthington Society for the Study of Bird Life. Shawnee-on-Delaware.
- Bull. zool.*—Bulletin zoologique. Paris.
- Butll. Inst. catal. Hist. nat.*—Butlletí de la Institució catalana d'història natural. Barcelona.
- C. R. Acad. Agric. Fr.*—Compte rendu des séances de l'Académie d'agriculture de France. Paris.
- C. R. Acad. Sci. Bordeaux.*—Comptes rendus des séances de l'Académie nationale des sciences, belles-lettres et arts de Bordeaux.
- C. R. Acad. Sci. Leningrad A.*—Comptes rendus de l'Académie des sciences de l'Union des Républiques S.S. (Doklady Rossijskoj Akademii Nauk.) Series A. Leningrad.
- C. R. Acad. Sci. Lyon.*—Compte rendu des travaux de l'Académie des sciences, belles-lettres et arts de Lyon pendant l'année 1890.
- C. R. Acad. Sci. Paris.*—Compte rendu hebdomadaire des séances de l'Académie des sciences. Paris.
- C. R. Assoc. Anat.*—Compte rendu de l'Association des anatomistes. Paris; Nancy.
- C. R. Assoc. franç. Av. Sci.*—Compte rendu de l'Association française pour l'avancement des sciences. Paris.
- C. R. Inst. vét. Kharkoff.*—Comptes rendus des travaux spéciaux de l'Institut vétérinaire à Kharkoff. (Sbornik Trudov Kharkovskago Veterinarnago Instituta.) Kharkov.
- C. R. Soc. Biol.*—Compte rendu des séances et mémoires de la Société de biologie. Paris.
- C. R. Soc. philom. Paris.*—Compte rendu sommaire des séances de la Société philomathique de Paris. Paris.
- C. R. Soc. Phys. Hist. nat. Genève.*—Mémoires de la Société de physique et d'histoire naturelle de Genève.
- C. R. Soc. Sci. méd. Gannat.*—Compte rendu des travaux de la Société des sciences médicales de Gannat.
- Cairo Sci. J.*—Cairo Scientific Journal. Cairo.
- Calif. Fish Game.*—California Fish and Game. San Francisco; Sacramento.
- Calif. St. J. Med.*—California State Journal of Medicine. San Francisco.
- Canad. Field Nat.*—Canadian Field Naturalist. Ottawa.
- Canad. J. Sci.*—The Canadian Journal of Science, Literature and History. (Cont'd as: Proceedings of the Canadian Institute.) Toronto.
- Canad. Orn.*—\*Canadian Ornithologist. (No. 1, 1873.) Toronto.
- Canad. Rec. Sci.*—Canadian Record of Science. Montreal.
- Cardinal.*—\*The Cardinal. Audubon Society of the Sewickley Valley. (1, 1923+) Sewickley, Penn.
- Carinthia*—Carinthia. Zeitschrift für Vaterlandskunde, Belehrung und Unterhaltung. Geschichtsverein und Naturhistorisches Landesmuseum in Kärnten. Klagenfurt.
- Carinthia II.*—Carinthia II. Mitteilungen d. Naturhist. Landesmuseums f. Kärnten. Klagenfurt.
- Carniola.*—Carniola. Mitteilungen des Musealvereins für Krain. (1866–1907. Carniola: Zeitschrift f. Heimatkunde. Musealvereins f. Krain. Izvestja Muzejskega Društva za Kranjsko. 1908+) Ljubljana (Laibach), Yugoslavia.
- Cas. veřej. Zdrav.*—Casopis pro veřejné Zdravotnictví. Praha.
- Cassinia.*—\*Cassinia. Proceedings of the Delaware Valley Ornithological Club. (No. 5, 1901+ Nos. 1–4 as *Abst. Del. Orn. Cl.*) Philadelphia.
- Cellule.*—La Cellule. Liège; Louvain.
- Český Obuvník.*—Český Obuvník. Praha.
- Charlesworth's Magazine.*—See *Mag. Nat. Hist.*
- Chem. News.*—Chemical News and Journal of Physical Science. London.

- Chem. Zbl.*—Chemisches Zentralblatt. Berlin.
- Chicago Med. J. Exam.*—The Chicago Medical Journal and Examiner. Title varies.
- Chicago Med. Rec.*—Chicago Medical Recorder. Chicago.
- China J.*—China Journal (of Science and Arts). Shanghai.
- Ciel et terre.*—Ciel et terre. Bruxelles.
- Circ. Calif. Agric. Expt. Sta.*—Circular. California Agricultural Experiment Station. Berkeley.
- Circ. Kans. Agric. Expt. Sta.*—Circular. Kansas Agricultural Experiment Station. Manhattan.
- Circ. Minn. Agric. Expt. Sta.*—Circular of the Minnesota Agricultural Experiment Station. St. Paul.
- Circ. U. S. Bur. Anim. Ind.*—Circular. United States Dept. of Agriculture. Bureau of Animal Industry. Washington.
- Circ. U. S. Div. Biol. Surv.*—Circular. United States Dept. of Agriculture. Division of Biological Survey. Washington.
- Circ. U. S. Div. Chem.*—Circular. United States Dept. of Agriculture. Division of Chemistry. Washington.
- Civilingenieur.*—Der Civilingenieur. Leipzig.
- Cleveland Med. J.*—Cleveland Medical Journal. Cleveland.
- Clin. med. ital.*—Clinica medica italiana. Milano.
- Clin. vet. Milano.*—Clinica veterinaria. Milano.
- Clinique Brux.*—Clinique. Bruxelles.
- Collect. acad.*—Collection academique. Dijon; Paris.
- Comm. Essex Inst.*—Communications Read before the Essex Institute, Salem, Mass.
- Comment. Soc. reg. Sci. Gotting.*—Commentationes Societatis regiae scientiarum Gottingensis. Gesellschaft der Wissenschaften zu Gottingen.
- Condor.*—\*Condor. Cooper Ornithological Club. (1, 1899+ Vol. 1 as *Bull. Coop. Orn. Cl.*; subtitle varies. Indices.) Santa Clara, Calif.
- Contr. Biol. Lab. Princeton Univ.*—Contributions from the Biological Laboratories in Princeton University, N.J.
- Contr. Embryol. Carnegie Instn.*—Contributions to Embryology. Publications of the Carnegie Institution. Washington.
- Contr. Orn.*—\*Contributions to Ornithology. (1-5, 1848-52.) Edinburgh.
- Cosmos Paris.*—Cosmos. Revue des sciences et de leurs applications. (1-32, 1863-73 as *Les Mondes*. 33-58, 1874-81 as *Kosmos*. *Les Mondes*. 1882-84 as *Cosmos les mondes*; revue hebdomadaire des sciences et de leurs applications.) Paris.
- Cosmos Rev. encycl.*—Cosmos; revue encyclopédique. Paris.
- Cron. Clin. med.*—Cronaca della clinica medica. Genova.
- D. Ni. Jibi Inkokwa Kw. K.*—Dai Nippon Jibi Inkokwa Kwai Kwaiho. (Japanese with abstracts in foreign languages.) [Zeitschrift f. Oto-Rhino- u. Laryngologie.] Tokyo.
- Danske Fug.*—\*Danske Fugle. Dansk ornithologisk Central. (1, 1920-21+) Viborg.
- Dansk orn. Foren.*—\*Dansk ornithologisk Forenings Tidsskrift.... (1, 1906+) Kjøbenhavn.
- Denkschr. Akad. Wiss. Wien.*—Denkschriften der Kais. Akademie der Wissenschaften. Math.-Nat. Kl. Wien.
- Denkschr. med.-naturw. Ges. Jena.*—Denkschriften der Medizinisch-naturwissenschaftlichen Gesellschaft zu Jena.
- Deuts. Arch. klin. Med.*—Deutsches Archiv für klinische Medizin. Leipzig.
- Deuts. Arch. Physiol.*—Deutsches Archiv für die Physiologie. Halle; Berlin.
- Deuts. Jäger.*—Deutscher Jäger. München.

- Deuts. Jagerztg.*—Deutsche Jagerzeitung. Neudamm.
- Deuts. landw. Geflügelztg.*—\*Deutsche landwirtschaftliche Geflügelzeitung. Berlin.
- Deuts. landw. Pr.*—Deutsche landwirtschaftliche Presse. Berlin.
- Deuts. med. Wschr.*—Deutsche medizinische Wochenschrift. Leipzig.
- Deuts. tierarztl. Wschr.*—Deutsche tierärztliche Wochenschrift. Karlsruhe; Hannover.
- Deuts. Z. Nervenheilk.*—Deutsche Zeitschrift für Nervenheilkunde. Leipzig.
- Deuts. Z. Tiermed. vergl. Path.*—Deutsche Zeitschrift für Tiermedizin und vergleichende Pathologie. (1–22, 1875–97|| United with Oesterreichische Z. f. wiss. Veterinarkunde to form *Z. Tiermed.*) Leipzig.
- Diana.*—Bulletin de la Diana (Société historique et archéologique du Forez). Montbrison.
- Dict. encycl. Sci. med.*—Dictionnaire encyclopédique des sciences médicales. Paris.
- Dinglers J.*—Dinglers polytechnisches Journal. Berlin.
- Dnev. Syezda Obshch. russk. Vrach. Mosk.*—Dnevnik Siezda Obshchestva Russkikh Vrachei. [Bulletin of the Congress of the Society of Russian Physicians.] Moskva.
- Dnev. zool. Otd. Obshch. Lyub.*—Dnevnik Zoologicheskago Otdielenia. Imp. Obshchestva Liubitelei Estestvoznania i Etnografii pri Moskovskom Universitetie. [Journal of the Section zoologique de la Société Imperiale des amateurs naturelles, d'anthropologie et d'ethnographie.] Moskva.
- Dnev. zool. Otd. Obshch. zool. Mus.*—Dnevnik Zoologicheskago Otdielenia Obshchestva i Zoologicheskago Museia. [Tageblätt der zool. Abth. der Gesellschaft und des zool. Museums.] (T. 3, No. 3 in Izviest. Imper. Obshch. Liubit. Estest., etc.) Moskva.
- Dnev. zool. Sada.*—Dnevnik Zoologicheskago Sada. (Messenger du Jardin zoologique.) [Bulletin of the Zoological Garden.] Moskva.
- Dobuts. Zassh.*—Dobutsugaku Zasshi. [Zoological Magazine.] Tokyo.
- Dom. Med. Mon.*—Dominion Medical Monthly. Toronto.
- Dresdner Bl. Geflügelz.*—\*Dresdner Blätter für Geflügelzucht. Dresden.
- Dublin Q. J. Med. Sci.*—Dublin Quarterly Journal of Medical Science. Dublin.
- Echange.*—Echange. Revue linnéenne. Lyon.
- Ecology.*—Ecology. All Forms of Life in Relation to Environment. Official Publication of the Ecological Society of America. Brooklyn.
- Econ. Ser. Brit. Mus.*—Economic Series. British Museum, Natural History. London.
- Edinb. J. Nat. Geog. Sci.*—Edinburgh Journal of Natural and Geographical Science.
- Edinb. J. Sci.*—Edinburgh Journal of Science. Edinburgh.
- Edinb. Med. Surg. J.*—The Edinburgh Medical and Surgical Journal. Edinburgh.
- Edinb. Mon. J. Med. Sci.*—The Edinburgh Monthly Journal of Medical Science.
- Edinb. New Phil. J.*—The Edinburgh New Philosophical Journal, Exhibiting a View of the Progressive Discoveries and Improvements in the Sciences and the Arts. (Preceded by *Edinb. Phil. J.* Merged into *Quart. J. Sci.*, later *J. Sci. Lond.*) Edinburgh.
- Edinb. Phil. J.*—The Edinburgh Philosophical Journal. (See *Edinb. New Phil. J.*) Edinburgh.
- Emu.*—\*Emu. Royal Australasian Ornithologists' Union. (1, 1901+) Melbourne.
- Endocrinology.*—Endocrinology. Glendale, Calif.
- Ent. Bl.*—Entomologische Blätter. Berlin.
- Ent. News Phila.*—Entomological News. Academy of Natural Sciences, Philadelphia.
- Entomologist.*—Entomologist. London.
- Erde.*—Erde. Weimar.
- Ergeb. Anat. EntwGesch.*—Ergebnisse der Anatomie u. Entwicklungsgeschichte. Wiesbaden.
- Ergeb. Biol.*—Ergebnisse der Biologie. Berlin.

- Ergebn. Zool.*—Ergebnisse u. Fortschritte der Zoologie. Jena.
- Ertek. term. Korébol.*—Ertekezések a Természettudományok Korébol; Kiadja a Magyar Tudományos Akadémia. Budapest.
- Esculapio napol.*—Esculapio napolitano; giornale di medicina, chirurgia e farmacia. Naples.
- Essex Nat.*—Essex Naturalist. Essex Field Club. Buckhurst Hill; Stratford, England.
- Est. i Geogr. Moskva.*—Estestvoznanie i Geografiia. Moskva.
- Expt. Sta. Rec. Wash.*—Experiment Station Record. Office of Experiment Stations. Washington.
- Ezhen. klin. Gaz.*—Ezhenedielnaia Klinicheskaiia Gazeta. [Weekly Clinical Gazette.] Leningrad.
- Falco.*—\*Falco. Supplement to Berajah, zoographia infinita. (1, 1905+) Halle; Leipzig.
- Famil. Sci. Fanc. J.*—Familiar Science and Fancier's Journal. (1878-79.) Springfield, Mass.
- Fanc. J. Land Water.*—Fancier's Journal and Land and Water. (1877. Cont'd as: *Famil. Sci. Fanc. J.*) Springfield, Mass.
- Fanc. J. Poult. Exch.*—\*Fancier's Journal and Poultry Exchange. (1-3, 1874-76. Cont'd as: *Fanc. J. Land Water.* Title varies.) Springfield, Mass.
- Fauna Luxemb.*—Fauna. Verein Luxemburger Naturfreunde, etc. Luxemburg.
- Fauna och Flora.*—Meddelanden af Societas pro Fauna et Flora Fennica. Uppsala.
- Feuille jeun. Nat.*—Feuille des jeunes naturalistes. Paris.
- Field and Forest.*—Field and Forest. A Monthly Journal Devoted to the Natural Sciences. Bulletin of the Potomac-Side Naturalists' Club. Washington.
- Field Nat. Quart.*—Field Naturalist's Quarterly. Edinburgh.
- Finsk Jakt.*—Finsk jakttidning. (Cont'd as: *Finlands jakttidskrift.*) Helsinki (Helsingfors).
- Flandre méd.*—Flandre médicale. Revue scientifique et pratique. Gand; Haarlem.
- Flora og Fauna.*—Flora og Fauna. Naturhistorisk forening for Jylland. Silkeborg, Denmark.
- Flugsport.*—Flugsport. Frankfurt am Main.
- Fm. Poultry.*—\*Farm Poultry. (1-27, 1889-1916.) Boston.
- Fmrs' Bull. Wash.*—Farmers' Bulletin. U. S. Dept. of Agriculture. Washington.
- Folia anat. jap.*—Folia anatomica Japonica. Tokyo.
- Folia haemat.*—Folia haematologica. Leipzig.
- Folia neuro-biol.*—Folia neuro-biologica. Leipzig.
- Folia serol.*—Folia serologica. (Cont'd as: *Zeitschrift f. Chemotherapie.*) Leipzig.
- For. and Stream.*—Forest and Stream. New York.
- Forh. skand. Naturf. Møte.*—Forhandlinger ved de Skandinaviske Naturforskeres Møde. Oslo; København.
- Forh. Vidensk. Selsk. Krist.*—Forhandlinger i Videnskabselskabet i Kristiania. Oslo.
- Forst- u. Jagdztg.*—Forst- u. Jagdzeitung. Saaz, Czechoslovakia.
- Fortschr. Med.*—Fortschritte der Medizin. Halle.
- Fortschr. Röntgenstr.*—Fortschritte auf d. Geb. der Röntgenstrahlen. Hamburg.
- Fortschr. Vet Hyg.*—Fortschritte der Veterinärhygiene. Berlin.
- France méd.*—France médicale. Revue d'études d'histoire de la médecine. Paris.
- Froriep Notizen.*—See *Notiz. Nat. Heilk.*
- Fukuoka.*—Ikwa daigaku-zasshi. Fukuoka, Japan.
- Gac. méd. Cartagena.*—Gaceta médica. Cartagena.
- Gac. méd. catal.*—Gaceta médica catalana. Barcelona.
- Gaea Köln.*—Gaea. Natur u. Leben. Köln.



- Gann.*—Gann. Ergebnisse der Krebsforschung in Japan. (Japanese Journal of Cancer Research.) Tokyo.
- Gaz. clin. S. Paulo.*—Gazeta clinica. São Paulo.
- Gaz. hebdom. Méd. Chir.*—Gazette hebdomadaire de médecine et de chirurgie. Paris.
- Gaz. hebdom. Sci. méd.*—Gazette hebdomadaire des sciences médicales de Bordeaux.
- Gaz. Hôp. Paris.*—Gazette des hôpitaux civils et militaires. (La lancette française.) Paris.
- Gaz. Mal. inf.*—Gazette des maladies infantiles et d'obstétrique. Journal de pédiatrie et d'obstétrique. Paris.
- Gaz. méd. Nantes.*—Gazette médicale de Nantes.
- Gaz. méd. Paris.*—Gazette médicale de Paris.
- Gazz. med. Milano.*—Gazzetta medica di Milano.
- Gazz. med.-vet.*—Gazzetta medico-veterinaria. Milan.
- Gazz. Osp. Clin.*—Gazzetta degli ospedali e delle cliniche. Milano.
- Gefied. Welt.*—\*Gefiederte Welt. (1, 1872+) Berlin; Magdeburg.
- Geflügelbörse.*—Geflügelbörse. (1, 1879+) Leipzig.
- Geflügelwelt.*—\*Geflügelwelt. (1, 1909+) Chemnitz.
- Geflügelzüchter Frankfurt.*—\*Geflügelzüchter und Vogelfreund. Frankfurt am Main.
- Geflügelzüchter Leipzig.*—\*Geflügelzüchter. (1-22, 1896-1917.) Leipzig; Connwitz.
- Gegenbaurs Jahr.*—See *Morph. Jahrb.*
- Geol. Anz. bayer. Akad. Wiss.*—Gelehrte Anzeigen, herausgegeben von Mitgliedern der K. Bayerischen Akademie der Wissenschaften. München.
- Genetica.*—Genetica. s' Gravenhage.
- Genetics.*—Genetics; a Periodical Record of Investigations Bearing on Heredity and Variation. Princeton, N. J.; Baltimore.
- Geog. Rev.*—Geographical Review. New York.
- Geol. Mag. Lond.*—Geological Magazine. London.
- Gerfaul.*—\*Le Gerfaul. (1, 1911+) Bruxelles.
- Giorn. Acc. Med. Torino.*—Giornale della R. Accademia di medicina di Torino.
- Giorn. Agric. Indust. Ital.*—Giornale di agricoltura, industria e commercio del regno d'Italia.
- Giorn. Anat. Fisiol. Pat.*—Giornale di anatomia, fisiologia, et patologia degli animali. Pisa.
- Giorn. Assoc. napolet. Med. Nat.*—Giornale dell'Associazione napoletana dei medici naturalisti. Napoli.
- Giorn. Fisica Chim.*—Giornale di fisica, chimica, storia naturale, medicina ed arti. Pavia.
- Giorn. int. Sci. med.*—Giornale internazionale delle scienze mediche. Napoli.
- Giorn. Ist. lombardo.*—Giornale del R. Istituto lombardo di scienze e lettere. Milan.
- Giorn. Med. vet.*—Giornale di medicina veterinaria. Torino.
- Giorn. Soc. ital. Igi.*—Giornale della R. Società italiana d'igiene. Milano.
- Giorn. Soc. vet. ital.*—Giornale della R. Società ed Accademia veterinaria italiana. (Cont'd as: *Giorn. Med. vet.*) Torino.
- Glasg. Nat.*—Glasgow Naturalist. Glasgow.
- Glasnik hrv. narodosl. Dr.*—Glasnik Hrvatskoga narodoslavnoga Društva. Zagreb, Yugoslavia.
- Glasnik hrv. prirodosl. Dr.*—Glasnik Hrvatskoga prirodoslavnoga Društva. Zagreb, Yugoslavia.
- Globus.*—Globus. Illustr. Zeitschr. f. Länder- u. Völkerkunde. (Cont'd as: *Mitt. a. J. Perthes Geog. Anst.*) Braunschweig.
- Götting. gelehr. Anz.*—Göttingische gelehrte Anzeigen. K. Gesellschaft der Wissenschaften. Göttingen.
- Götting. Stud.*—Göttinger Studien. Göttingen.

- Graefe's Arch.*—See *Arch. Ophth. (Graefe)*.
- Guide Nat. Paris.*—Guide du naturaliste; revue bibliographique des sciences naturelles. Paris.
- Gull.*—\*Gull. Audubon Association of the Pacific. (1, 1919+) San Francisco.
- Guy's Hosp. Rep.*—Guy's Hospital Reports. London.
- Hand. ned. nat.- en genesesk. Congr.*—Handelingen van het Nederlandsch Natuur- en Geneseskundig Congres.
- Hannov. land- u. forstw. VerBl.*—Hannover land- und forstwirtschaftliches Vereinsblatt. Hannover.
- Harv. Psychol. Stud.*—Harvard Psychological Studies. Boston.
- Hastings Nat.*—Hastings and East Sussex Naturalist. Hastings.
- Haven.*—Haven. Medlemsblad for de samvirkende danske Haveselskaber. Kjøbenhavn.
- Hilgardia.*—Hilgardia. A Journal of Agricultural Science Published by the California Agricultural Experiment Station. Berkeley.
- Himmel u. Erde.*—Himmel und Erde. Leipzig; Berlin.
- Hist. Acad. Sci. Amst.*—Histoire de l'Académie Royale des sciences [de Paris], avec les mémoires de mathématique et de physique, tirés des registres de cette académie. Amsterdam.
- Hist. Acad. Sci. Paris.*—Histoire de l'Académie Royale des sciences avec les mémoires de mathématique et physique.
- Hist. Berwicksh. Nat. Cl.*—History of the Berwickshire Naturalists' Club. Alnwick.
- Hist. Soc. Méd. Paris.*—Histoire de la Société Royale de médecine, avec les mémoires de médecine et de physique médicale, tirés des registres de cette société. Paris.
- Hist. Soc. R. Sci. Montpel.*—Histoire de la Société Royale des sciences. Lyon; Montpellier.
- Hokkaido Ig. Kw. Z.*—Hokkaido Igaku Kwai Zasshi. [Mitt. med. Ges. zu Hokkaido.] Sapporo.
- Homme.*—Homme; journal illustré des sciences anthropologiques. Paris.
- Hornero.*—\*Hornero. Revista de la Sociedad ornitológica de la Plata. (1, 1917+) Buenos Aires.
- Humboldt.*—Humboldt. Monatsschrift für die gesamten Naturwissenschaften.
- Humming Bird.*—\*Humming Bird. (1891-95.) London.
- Hyg. gén. appl.*—Hygiène générale et appliquée. Paris.
- Hyg. Rdsch.*—Hygienische Rundschau. Berlin.
- Hyg. Viande Lait.*—Hygiène de la viande et du lait. Paris.
- Hygiea Stockh.*—Hygiea. Stockholm.
- Ibis.*—\*Ibis, The. A Quarterly Journal of Ornithology. British Ornithologists' Union. (1, 1859+ Each series has index.) London.
- Ig. K. Fukuoka.*—Igaku Kenkyn. Fukuoka, Japan.
- Igiene.*—Igiene. Atti della Società toscana (fiorentina) d'igiene. Firenze.
- Ij. Shb.*—Iji Shimbun. [Medical News.] Tokyo.
- Ill. aeron. Mitt.*—Illustrierte aeronautische Mitteilungen. [Cont'd as: Deutsche Luftfahrerzeitschrift.] Berlin.
- Illinois Biol. Monog.*—Illinois Biological Monographs. University of Illinois, Urbana.
- Imparziale.*—Imparziale. Florence.
- Ind. J. Med. Res.*—Indian Journal of Medical Research. Calcutta.
- Ind. Med. Gaz.*—Indian Medical Gazette. Calcutta.
- Ind. Mus. Notes.*—Indian Museum Notes. Calcutta.
- Indép. méd. Paris.*—Indépendance médicale. Paris.

- Institut Paris*.—L'Institut. 1833, Journal des Académies et sociétés scientifiques de la France et de l'étranger. 1834-35, Journal général des Sociétés et travaux scientifiques de la France et de l'étranger. 1836-69, Journal général (universel) des Sociétés scientifiques de la France. Sect. Sciences mathématiques, physiques, et naturelles.
- Int. ent. Z.*—Internationale entomologische Zeitschrift. Guben.
- Int. Mschr. Anat. Hist.*—Internationale Monatsschrift für Anatomie und Histologie. (Cont'd as: *Int. Mschr. Anat. Physiol.*) Berlin; Paris; London.
- Int. Mschr. Anat. Physiol.*—Internationale Monatsschrift für Anatomie und Physiologie. (1, 1884 as *Int. Mschr. Anat. Hist.* 2, 3, 1885-86 as Monthly International Journal of Anatomy and Histology. 4-16 as Monthly International Journal of Anatomy and Physiology.) Berlin; Leipzig.
- Intell. Obs.*—Intellectual Observer; Review of Natural History, Microscopic Research and Recreative Science. London.
- Interméd. Biol.*—L'Intermédiaire des biologistes et des médecins. Organe international des sciences naturelles et médicales. Paris.
- Irish Nat.*—Irish Naturalist. Dublin.
- Isis Oken.*—Isis von Oken. Jena; Leipzig.
- Ital. agric.*—Italia agricola, Giornale di agricoltura. Milan; Piacenza.
- Izv. mosk. Khoz. Inst.*—Izvestiia Moskovskago Selsko-khoziaistvennago Instituta. [Annales de l'Institut agronomique de Moscou.] Moskva.
- Izv. ross. Akad. Nauk.*—Izvestiia Rossiiskoi Akademii Nauk. [Bulletin of the Russian Academy of Sciences.] Leningrad.
- J. Acad. Nat. Sci. Phila.*—Journal of the Academy of Natural Sciences of Philadelphia.
- J. Agric. Dép. Ain.*—Journal d'agriculture, lettres et arts du département de l'Ain. Société d'émulation de l'agriculture, sciences, lettres, et arts de l'Ain. (Title varies.) Bourg-en-Bresse.
- J. Agric. Edinb.*—The Journal of Agriculture. Edinburgh.
- J. agric. Paris.*—Journal agricole. Paris.
- J. Agric. Res.*—Journal of Agricultural Research. Washington.
- J. Agric. Sci.*—Journal of Agricultural Science. Cambridge, England.
- J. Amer. Assoc. Poult. Husb.*—\*Journal of the American Association of Instructors and Investigators in Poultry Husbandry. (Cont'd as: Poultry Science. 1-7, 1914-21.) New Brunswick, N.J.
- J. Amer. Chem. Soc.*—Journal of the American Chemical Society. Easton, Penn.
- J. Amer. Inst. Homoeop.*—Journal of the American Institute of Homoeopathy. Chicago.
- J. Amer. Med. Assoc.*—Journal of the American Medical Association. Chicago.
- J. Amer. Vet. Med. Assoc.*—Journal of the American Veterinary Medical Association. Ithaca, N.Y.
- J. Anat. Lond.*—Journal of Anatomy (and Physiology). (13-39 as the Journal of Anatomy and Physiology Normal and Pathological.) London.
- J. Anat. Paris.*—Journal de l'anatomie et de la physiologie normales et pathologiques de l'homme et des animaux. Paris.
- J. Anim. Behav.*—The Journal of Animal Behaviour. Boston; New York.
- J. Appl. Micr.*—Journal of Applied Microscopy and Laboratory Methods. Rochester, N.Y.
- J. Asiat. Soc. Beng.*—Journal and Proceedings of the Asiatic Society of Bengal. Calcutta.
- J. Asiat. Soc. Lond.*—Journal of the Royal Asiatic Society of Great Britain and Ireland. London.
- J. Asiat. Soc. Singapore.*—Journal of the Royal Asiatic Society of Great Britain and Ireland. (Also *J. Malay. Br. Asiat. Soc.*) Malayan branch, Singapore.
- J. Bact.*—Journal of Bacteriology. Baltimore.

- J. Bd. Agric.*—Journal of the Board of Agriculture and Fisheries. (Cont'd as: *J. Minist. Agric.*) London.
- J. Biochem.*—Journal of Biochemistry. Tokyo.
- J. Biol. Chem.*—Journal of Biological Chemistry. Baltimore.
- J. Bombay Nat. Hist. Soc.*—Journal of the Bombay Natural History Society. Bombay.
- J. Boston Soc. Med. Sci.*—Journal of the Boston Society of Medical Sciences. (Cont'd as: *J. Med. Res.*) Boston.
- J. Chem. Physik.*—Journal für Chemie und Physik. Halle; Nuremberg.
- J. Chem. Soc. Lond.*—Journal of the Chemical Society. London.
- J. Chim.*—Journal de chimie pour servir de complément aux Annales de chimie et d'autres ouvrages périodiques françaises de cette science. Bruxelles.
- J. Chim. méd. Pharm.*—Journal de chimie médicale, de pharmacie et de toxicologie. Paris.
- J. Chim. phys.*—Journal de chimie physique, électrochimie, thermochimie, radiochimie, mécanique chimique, stoechiométrie. Genève.
- J. Chir. Augenhk.*—Journal der Chirurgie und Augenheilkunde. Berlin.
- J. Cincinn. Soc. Nat. Hist.*—Journal of the Cincinnati Society of Natural History. Cincinnati.
- J. Coll. Agric. Tôhoku.*—Journal of the College of Agriculture, Tôhoku (Hokkaido) Imp. University. Sapporo, Japan.
- J. Coll. Agric. Tokyo.*—Journal of the College of Agriculture, Imperial University of Tokyo.
- J. Coll. Sci. Tokyo.*—The Journal of the College of Science, Imperial University of Tokyo.
- J. Comp. Med.*—Journal of Comparative Medicine and Surgery. Title varies.
- J. Comp. Neurol.*—Journal of Comparative Neurology and Psychology. Wistar Institute of Anatomy and Biology. Philadelphia.
- J. Comp. Path.*—Journal of Comparative Pathology and Therapeutics. Edinburgh; London.
- J. Comp. Psychol.*—Journal of Comparative Psychology. Baltimore.
- J. compl. Dict. Sci. méd.*—Journal complémentaire de dictionnaire des sciences médicales. (30-32, *J. compl. des sciences médicales.*) Paris.
- J. Conch.*—Journal of Conchology. London; Leeds.
- J. Dept. Agric. P. Rico.*—Journal of the Department of Agriculture, Porto Rico. San Juan.
- J. Dept. Agric. S. Afr.*—Journal of the Department of Agriculture, Union of South Africa. Pretoria.
- J. Dept. Agric. S. Aust.*—Journal of the Department of Agriculture of South Australia. Adelaide.
- J. Dept. Agric. Vict.*—Journal of the Department of Agriculture of Victoria. Melbourne.
- J. E. Afr. Ug. Nat. Hist. Soc.*—Journal of the East Africa and Uganda Natural History Society. London.
- J. Econ. Biol.*—Journal of Economic Biology. (Cont'd as: *Journal of Zoological Research.*) London.
- J. Econ. Ent.*—Journal of Economic Entomology. Geneva, N.Y.
- J. Elisha Mitchell Sci. Soc.*—Journal of the Elisha Mitchell Scientific Society. Chapel Hill, N.C.
- J. Ent. Zool.*—Journal of Entomology and Zoology. Pomona College, Claremont, Calif.
- J. Exp. Med.*—Journal of Experimental Medicine. New York.
- J. Exp. Zool.*—Journal of Experimental Zoology. Philadelphia.
- J. For.*—Journal of Forestry. Washington.
- J. Gen. Physiol.*—Journal of General Physiology. Baltimore.

- J. Genet.*—Journal of Genetics. Cambridge, England.
- J. Geol.*—Journal of Geology. Geological Faculty of the University of Chicago. Chicago.
- J. Gesundheitspf.*—Journal für Gesundheitspflege. Vienna.
- J. hebd. Prog. Sci. méd.*—Journal hebdomadaire des progrès des sciences et institutions médicales. Paris.
- J. Hered.*—The Journal of Heredity. Published by the American Genetic Association. Washington.
- J. Hyg. Camb.*—Journal of Hygiene. Cambridge, England.
- J. Hyg. Paris.*—Journal d'hygiène. Paris.
- J. Ind. Eng. Chem.*—Journal of Industrial and Engineering Chemistry. Easton, Penn.
- J. Infect. Dis.*—Journal of Infectious Diseases. Chicago.
- J. Inst. Jamaica.*—Journal of the Institute of Jamaica. Kingston.
- J. Ipswich F. Cl.*—Journal of Ipswich and District Field Club. Ipswich.
- J. Linn. Soc. Zool.*—Journal of the Linnean Society of London. Zoology. 1855–64, Journal of Proceedings.
- J. Maine Orn. Soc.*—\*Journal of the Maine Ornithological Society. (1–13, 1399–1911.) Bangor; Portland.
- J. Malay. Br. Asiat. Soc.*—Journal of the Malayan Branch of the Royal Asiatic Society. (Also *J. Asiat. Soc. Singapore.*) Singapore.
- J. Méd. Bordeaux.*—Journal de médecine de Bordeaux. Bordeaux.
- J. Méd. Chir. Pharm. Paris Bruxelles.*—Journal de médecine, de chirurgie et de pharmacologie. Bruxelles; Paris.
- J. Med. Res.*—Journal of Medical Research. Boston.
- J. Méd. vét.*—Journal de médecine vétérinaire et de zootechnie. Lyon.
- J. Microgr. Paris.*—Journal de micrographie. Paris.
- J. Minist. Agric.*—Journal of the Ministry of Agriculture and Fisheries. London.
- J. Morph.*—Journal of Morphology. Wistar Institute of Anatomy and Biology. (40–51, 1925–31, *J. Morph. Physiol.*) Boston; Lancaster, Penn.; Philadelphia.
- J. Morph. Physiol.*—Journal of Morphology and Physiology. (See *J. Morph.*) Philadelphia.
- J. Mus. Comp. Ool.*—\*Journal of the Museum of Comparative Oology. (1–2, 1919–22. Cont'd as: Comparative Oologist.) Santa Barbara, Calif.
- J. N. J. Nat. Hist. Soc.*—Journal of the New Jersey Natural History Society. Trenton.
- J. N. Y. Micr. Soc.*—Journal of the New York Microscopical Society. New York.
- J. Nat. Phil. Chem. Arts.*—Journal of Natural Philosophy, Chemistry, and the Arts. London.
- J. Nerv. Ment. Dis.*—Journal of Nervous and Mental Diseases. New York.
- J. Northants. Nat. Hist. Soc.*—Journal of the Northamptonshire Natural History Society and Field Club. Northampton.
- J. Orn.*—\*Journal für Ornithologie. Deutsche Ornithologische Gesellschaft. (1, 1853 + Index: 1853–67, 1868–93, 1894–1913.) Cassel; Leipzig.
- J. Parasit.*—Journal of Parasitology. Urbana, Ill.
- J. Path. Bact.*—Journal of Pathology and Bacteriology. London.
- J. Pharm.*—Journal de pharmacie. Paris.
- J. Pharm. Chim. Paris.*—Journal de pharmacie et de chimie. Paris.
- J. Pharmacol.*—Journal of Pharmacology and Experimental Therapeutics. Baltimore.
- J. Phys. Chem.*—Journal of Physical Chemistry. Ithaca, N.Y.
- J. Phys. Chim. Hist. nat.*—Journal de physique, de chimie et d'histoire naturelle élémentaire. Paris.

- J. Phys. Chim. Hist. nat. Arts.*—Journal de physique, de chimie, d'histoire naturelle et des arts. (Cont'd as: Introduction aux observations sur la physique. 1, 1773, Observations et mémoires sur la physique, sur l'histoire naturelle et sur les arts et métiers. 2-43, 1773-93, Observations sur la physique, sur l'histoire naturelle, et sur les arts.) Paris.
- J. Phys. Rad.*—Journal de physique et le radium. Paris.
- J. Physiol.*—Journal of Physiology. London; Cambridge.
- J. Physiol. exp. path.*—Journal de physiologie expérimentale et pathologique. (Maggendie.) Paris.
- J. Physiol. Homme Anim.*—Journal de la physiologie de l'homme et des animaux. (Brown-Séquard.) Paris.
- J. Physiol. Path. gén.*—Journal de physiologie et de pathologie générale. Paris.
- J. prakt. Chim.*—Journal für praktische Chemie. Leipzig.
- J. Prog. Sci. méd.*—Journal des progrès des sciences et institutions médicales en Europe, en Amérique, etc. Paris.
- J. Psychol. Neurol. Leipzig.*—Journal für Psychologie und Neurologie. Leipzig.
- J. Psychol. norm. path.*—Journal de psychologie normale et pathologique. Paris.
- J. R. Agric. Soc.*—Journal of the R. Agricultural Society. London.
- J. R. Anthropol. Inst.*—Journal of the R. Anthropological Institute of Great Britain and Ireland. London.
- J. R. Hort. Soc.*—Journal of the R. Horticultural Society. London.
- J. R. Micr. Soc.*—Journal of the Royal Microscopical Society. London.
- J. R. Soc. N.S.W.*—Journal and Proceedings of the Royal Society of New South Wales. Sydney.
- J. S. Afr. Orn. Un.*—\*Journal of the South African Ornithologists' Union. (1-11, 1905-1916.) Pretoria.
- J. Sçavans.*—Journal des sçavans. (Cont'd as: J. des savants.) Paris.
- J. Sci. Labs. Denison Univ.*—Journal of the Scientific Laboratories. Denison Univ., Granville, Ohio.
- J. Sci. Lond.*—Journal of Science, and Annals of Astronomy, Biology, Geology, Industrial Arts, Manufactures, and Technology. London.
- J. Trav. Nat. Hist.*—Journal of Travel and Natural History. London; Edinburgh.
- J. Trop. Med.*—Journal of Tropical Medicine (and Hygiene). London.
- J. univ. Sci. méd.*—Journal universel des sciences médicales. Paris.
- J. Urol. méd. chir.*—Journal d'urologie médicale et chirurgicale. Paris.
- J. Wash. Acad. Sci.*—Journal of the Washington Academy of Sciences. Washington.
- J. Wild Bird Invest. Soc.*—\*Journal of the Wild Bird Investigation Society. (1919-1921.) London.
- J. Zool. Paris.*—Journal de zoologie, comprenant les différentes branches de cette science; histoire des animaux vivants et fossiles, mœurs, distribution géographique et paléontologique, anatomie et physiologie comparées, embryogénie, histologie, tératologie, zootechnie, etc. Paris.
- Jaarb. Cl. ned. Vogelk.*—\*Jaarbericht. Club van Nederlandsche Vogelkundigen. (1, 1911-29. Cont'd as: Orgaan der Club van Nederlandsche Vogelkundigen.) Deventer, etc.
- Jaarbj. ned. orn. Ver.*—\*Jaarboekje der Nederlandsche Ornithologische Vereeniging. (1904+ 1-9 as: Verslagen en Mededeelingen.) Wageningen.
- Jager.*—Der Jäger. Ein Unterhaltungsblatt für Jagdliebhaber. Frankfurt am Main.
- Jahrb. ges. Staatsarznk.*—Jahrbuch der gesamten Staatsarzneikunde. Leipzig.
- Jahrb. Jagdkunde.*—Jahrbuch für Jagdkunde. Neudamm.
- Jahrb. Kinderhkl.*—Jahrbuch für Kinderheilkunde und physische Erziehung. Berlin.

- Jahrb. nassau. Ver. Naturk.*—Jahrbücher des Nassauischen Vereins für Naturkunde. Wiesbaden.
- Jahrb. naturh. LdMus. Kärnten.*—Jahrbuch des Naturhistorischen Landes-Museums von Kärnten. Klagenfurt.
- Jahrb. naturw. Ges. St. Gallen.*—Jahrbuch der St. Gallischen Naturwissenschaftlichen Gesellschaft. St. Gallen, Switzerland.
- Jahrb. ProvMus. Hannover.*—Jahrbuch des Provinzialmuseums zu Hannover.
- Jahrb. Psychiat. Neurol.*—Jahrbuch für Psychiatrie und Neurologie. Leipzig; Wien.
- Jahrb. schles. Forstver.*—Jahrbuch des Schlesischen Forstvereins. Breslau.
- Jap. J. Med. Sci.*—Japanese Journal of Medical Sciences. Transactions and Abstracts (National Research Council of Japan). I. Anatomy. Tokyo.
- Jap. J. Zool.*—Japanese Journal of Zoology (National Research Council of Japan). (1, 1922+) Tokyo.
- Jap. J. Zootech. Sci.*—Japanese Journal of Zootechnical Science. Tokyo.
- Jap. Med. Wld.*—Japan Medical World. Tokyo.
- Jber. böhm. Ges. Wiss.*—Jahresbericht der K. Böhmisches Gesellschaft der Wissenschaften. Praha.
- Jber. Fortschr. Anat. EntwGesch.*—Jahresbericht über die Fortschritte der Anatomie und Entwicklungsgeschichte. Jena.
- Jber. Fortschr. Anat. Physiol.*—Jahresbericht über die Fortschritte der Anatomie und Physiologie. Leipzig.
- Jber. Fortschr. Tierchem.*—Jahresbericht über die Fortschritte der Tierchemie der Physiologischen und Pathologischen Chemie. Wiesbaden.
- Jber. Ges. Fr. Naturw. Gera.*—Jahresbericht der Gesellschaft von Freunden der Naturwissenschaften in Gera.
- Jber. Ges. Naturk. Dresden.*—Jahresbericht der Gesellschaft für Natur- und Heilkunde in Dresden.
- Jber. naturf. Ges. Emden.*—Jahresbericht der Naturforschenden Gesellschaft in Emden.
- Jber. naturf. Ges. Graubünden.*—Jahresbericht der Naturforschenden Gesellschaft Graubündens. Chur.
- Jber. naturh. Ges. Hannover.*—Jahresbericht der Naturhistorischen Gesellschaft in Hannover.
- Jber. naturw. Ver. Halle.*—Jahresbericht des Naturwissenschaftlichen Vereins in Halle.
- Jber. naturw. Ver. Osnabrück.*—Jahresbericht des Naturwissenschaftlichen Vereins zu Osnabrück.
- Jber. orn. Ver. Münch.*—\*Jahresbericht des Ornithologischen Vereins, München. 1-3, 1897, 98-1902. Cont'd as: *Verh. orn. Ges. Bayern.*
- Jber. schles. Ges. vaterl. Kult.*—Jahresberichte der Schlesischen Gesellschaft für Vaterländische Kultur. Breslau.
- Jber. Thierarz.-Schule Münch.*—Jahresbericht der K. Central-thierarzneischule in München. [After 1889 as: *Jber. K. Thierärztliche Hochschule in München. Supplement to: Deuts. Z. Tiermed. vergl. Path.*]
- Jber. Ver. Naturk. Mannheim.*—Jahresbericht des Vereins für Naturkunde in Mannheim.
- Jber. Ver. Naturw. Braunsch.*—Jahresbericht des Vereins für Naturwissenschaft zu Braunschweig.
- Jber. Vogelwarte.*—\*Jahresbericht der Vogelwarte (Helgoland K. Biologische Anstalt). (1-4, 1909-12 ?) Leipzig.
- Jber. westf. ProvVer. Wiss. Kunst.*—Jahresbericht des Westfälischen Provinzialvereins für Wissenschaft und Kunst. Münster.
- Jena. Z. Naturw.*—Jenaische Zeitschrift für Naturwissenschaft (Medizinisch-Naturwissenschaftliche Gesellschaft zu Jena).

- Jhft. Ver. Math. Naturw. Ulm.*—Jahresheft des Vereins für Mathematik und Naturwissenschaften in Ulm.
- Jhft. Ver. vaterl. Naturk. Württemb.*—Jahresheft des Vereins für Vaterländische Naturkunde in Württemberg. Stuttgart.
- Jibi Inko. Rin.*—Jibi Inkokwa Kyoto Rinsho. (Japanese.) [Oto-Rhino-Laryngology of Kyoto Clinic.]
- Jikken Ig. Z.*—Jikken Igaku Zasshi. [Japanese Journal of Experimental Medicine.] Tokyo.
- Johns Hopk. Hosp. Bull.*—Johns Hopkins Hospital Bulletin. Baltimore.
- Johns Hopk. Univ. Circ.*—Johns Hopkins University Circulars. Baltimore.
- Juzenkwaï Z.*—Juzenkwaï Zasshi. (Japanese.) [Journal of the Jûzen Medical Society, Kanazawa.]
- K. norske Vidensk. Selsk. Skr.*—Det Kongelige Norske videnskabernes selskabs skrifter. Trondhjem.
- Kaibo. Z. Tokyo.*—Kaibogaku Zasshi. Tokyo.
- Kans. Cy. Rev. Sci. Indust.*—Kansas City Review of Science and Industry. Kansas City.
- Kans. Univ. Sci. Bull.*—Kansas University Science Bulletin. Lawrence.
- Kbh. med. Selsk. Forh.*—Københavenske medicinske Selskabs Forhandling. København.
- Keio Ig.*—Keio Igaku. [Keio Medical Journal.] Tokyo.
- Kenn. en Kunst.*—Kennis en Kunst. Haarlem.
- Kilmarnock Rambl. Soc. Ann.*—Kilmarnock Glenfield Ramblers Society Annals. Kilmarnock.
- Klin. Mbl. Augenhlk.*—Klinische Monatsblätter für Augenheilkunde. Erlangen; Stuttgart.
- Klin. Wschr.*—Klinische Wochenschrift. Berlin.
- Knowledge.*—Knowledge and Illustrated Scientific News. London.
- Koll. zool. Kab. Varsh. Univ.*—Kollektsii Zoologitseskago Kabineta Imper. Varshavskago Universiteta. [Sammlungen d. Zool. Cabinet d. Kais. Univ. Warschau]. Warszawa.
- KorrBl. deuts. Ges. Anthropol.*—Korrespondenzblatt der Deutschen Gesellschaft für Anthropologie, Ethnologie und Urgeschichte. Braunschweig.
- KorrBl. Naturf. Ver. Riga.*—Korrespondenzblatt des Naturforschervereins zu Riga.
- KorrBl. naturh. Ver. Rheinl. Westf.*—Korrespondenzblatt des Naturhistorischen Vereins für Rheinland und Westphalen. Bonn.
- KorrBl. naturw. Ver. Sachs. Thür.*—Korrespondenzblatt des Naturwissenschaftlichen Vereins für Sachsen und Thüringen in Halle.
- Kosmos L. M.*—See *Cosmos Paris*.
- Kosmos Leipzig.*—Kosmos. Zeitschrift für einheitliche Weltanschauung auf Grund der Entwicklungslehre. Leipzig.
- Kosmos Lwów.*—Kosmos. Czasopismo Polskiego Towarzystwa Przyrodników imienia Kopernika. Lwów (Lemberg).
- Kosmos Stuttgart.*—Kosmos. Handweiser für Naturfreunde. Stuttgart.
- Kühn-Archiv.*—Kühn-Archiv. Arbeiten aus d. Landwirtschaftl. Institut d. Univ. Halle. Berlin.
- Kyoto Fur. Ikw. Z.*—Kyoto Furitsu Ikwa Daigaku Zasshi. (Japanese.) [Journal of the Kyoto Medical University.]
- Kyoto Ig. Z.*—Kyoto Igaku Zasshi. (Japanese with abstracts in foreign languages.) [Journal of the Kyoto Medical Society.]
- Lancet Lond.*—Lancet. London.
- Lancs. Nat.*—Lancashire Naturalist. [Cont'd as: Lancashire and Cheshire Naturalist.] Darwen; Manchester.
- Landw. Jahrb.*—Landwirtschaftliche Jahrbücher. Zeitschrift für wissenschaftliche Landwirtschaft. Berlin.



- Leipzig. Mag. Naturgesch.*—Leipziger Magazin für Naturgeschichte und Oekonomie. 1781–85, Leipzig. Mag. f. Naturkunde, Mathematik und Oekonomie.
- Leopoldina.*—Miscellanea curiosa medico-physica Academiae Naturae curiosorum sive Ephemeridum medico-physicarum Germanicorum curiosarum, 1670–1706; Academiae Caesario-leopoldina Naturae curiosorum Ephemerides, 1712–22; Acta physico-medica acad., 1727–54; Nova Acta, 1843–70; Novorum Actorum, 1873–95; Leopoldina, Amtliches Organ der Kaiserlichen Leopoldinisch-Carolinischen Deutschen Akademie der Naturforscher, 1859–1923. Leopoldina. Ber. d. K. (Leopoldinischen) Deuts. Akad. der Naturforscher, 1926+ (K. Leopoldinisch Carolinische Deutsche Akademie der Naturforscher.) Jena; Leipzig; Halle, etc.
- Lichtenberg's Magazine.—See *Mag. Neu. Phys. Naturgesch.*
- Liebig's Ann.*—See *Ann. Chem. Pharm.*
- Lingnan Sci. J.*—Lingnan Science Journal. Lingnan University. Canton.
- Lond. and Edinb. Mon. J. Med. Sci.*—London and Edinburgh Monthly Journal of Medical Science. Edinburgh.
- Lond. J. Med.*—The London Journal of Medicine. London.
- Lond. Med. Gaz.*—The London Medical Gazette or Journal of Practical Medicine.
- Long Is. Med. J.*—Long Island Medical Journal. Brooklyn, N.Y.
- Lotos.*—Lotos. Naturwissenschaftliche Zeitschrift hrsg. vom Deutschen Naturwiss.-medizinischen Verein f. Böhmen "Lotos." Praha.
- Loudon's Magazine.—See *Mag. Nat. Hist.*
- Luftschiff. Bielefeld.*—Luftschiffahrt, Flugtechnik und Sport. Halbmonatsschrift für das gesamte Ballon- und Flugwesen. Bielefeld.
- Luftverkehr.*—Luftverkehr. Leipzig.
- Luonnon Ystava.*—Luonnon Ystävä. Helsinki.
- Lyon méd.*—Lyon médical. Lyon.
- Mag. Akad. Ert.*—Magyar Akadémiai Ertesítő. A Matematikai, és Természettudományi, Osztályok Közlönye. (Report of the Hungarian Academy. Communications of the Mathematical and Natural Science Sections.) Budapest.
- Mag. encyc.*—Magasin encyclopédique; ou Journal des sciences, des lettres et des arts. Paris.
- Mag. ges. Thierhkk.*—Magazin für die gesamte Thierheilkunde. Berlin.
- Mag. Nat. Hist.*—The Magazine of Natural History; and Journal of Zoology, Botany, Mineralogy, Geology, and Meteorology. (1–9, Loudon's Mag., etc. 10–13, Charlesworth's Mag., etc.) London.
- Mag. neu. Naturk.*—Magazin für die neuesten Zustand der Naturkunde mit Rücksicht auf die dazu gehörigen Hulfwissenschaften. (Voigts Mag.) Jena; Weimar.
- Mag. Neu. Phys. Naturgesch.*—Magazin für das Neueste aus der Physik und Naturgeschichte. Lichtenberg's Mag. [Cont'd as *Mag. neu. Naturk.*] Gotha.
- Mag. orn. Kozp.*—\*Magyar Ornithologiai Kozport. [Hungarian Central Office of Ornithology.] 1898.
- Mag. Zool. Bot.*—Magazine of Zoology and Botany. Edinburgh; London.
- Mag. Zool. Paris.*—Magasin de zoologie. Paris.
- Maine Nat.*—Maine Naturalist. Thomaston.
- Manicomio.*—Manicomio. Archivio di psichiatria e scienze affini. Nocera, Italy.
- Maryland Med. J.*—Maryland Medical Journal. Baltimore.
- Math. naturw. Ber. Ung.*—Mathematische und naturwissenschaftliche Berichte aus Ungarn. Leipzig.
- Math. term. Ert.*—Matematikai és Természettudományi Ertesítő. (Magyar Tudományos Akadémia. German ed.: *Math. naturw. Ber. Ung.*) Budapest.
- Math.-fys. Medd.*—Mathematisk-fysiske Meddelelser. Kgl. Danske Videnskaberne Selskab. Kjøbenhavn.
- Mber. preuss. Akad. Wiss.*—Monatsberichte der K. Preuss. Akademie der Wissenschaften zu Berlin. Berichte 1–20, 1836–55. Cont'd as: *SitzBer. preuss. Akad. Wiss.*

- Méd. et Hyg.*—Médecine et hygiène. Bruxelles.
- Méd. Jahrb. österr. Staates.*—Medizinische Jahrbücher des K. K. Oesterreichischen Staates. Wien.
- Med. Jahrb. Wien.* Medizinische Jahrbücher. K. K. Gesellschaft der Aerzte zu Wien. Wien.
- Med. Klinik.* Medizinische Klinik. Wien.
- Med. Korrbll. Württemb.*—Medizinisches Korrespondenzblatt für Württemberg. Stuttgart.
- Med. News N.Y.*—Medical News. New York.
- Med. Phys. J.*—The Medical and Physical Journal. London.
- Med. Pickw.*—Medical Pickwick. Saranac Lake, N.Y.
- Med. Pr.*—Medical Press and Circular. London.
- Med. Prog.*—Medical Progress. Louisville, Ky.
- Med. Rec. N.Y.*—Medical Record. New York.
- Med. Times Lond.*—Medical Times and Hospital Gazette. London.
- Med. Times N.Y.*—Medical Times. New York.
- Med. Vest. St. Petersb.*—Meditsinskia Viestnik; Eshtshenedelnaya Gazeta. [Medical Courier.] Leningrad.
- Med.-chem. Untersuch.*—Medicinischemische Untersuchungen, aus dem Laboratorium für Angewandte Chemie zu Tübingen. Berlin.
- Med.-chir. Ztg.*—Medicinischemirurgische Zeitung. (Cont'd as: *N. med.-chir. Ztg.* and *Med.-chir. Monatshefte*, Erlangen.) Salzburg; Innsbruck; München.
- Medd. Soc. Fauna Fl. fenn.*—Meddelanden af Societas pro Fauna et Flora Fennica. Helsingfors (Helsinki).
- Meded. Dep. Landb. Ned.-Ind.*—Mededeelingen uitg. van het Dep. van Landbouw in Nederlandsch-Indië. Batavia, Java.
- Mélang. biol. Acad. Sci. St. Pétersb.*—Mélanges biologiques tirés du Bulletin de l'Académie Impériale des sciences de St. Pétersbourg. Akademia Nauk.
- Mém. Acad. Lyon.*—Mémoires de l'Académie des sciences, belles-lettres et arts de Lyon.
- Mém. Acad. Méd. Paris.*—Mémoires de l'Académie Royale de médecine de Paris.
- Mém. Acad. Montpellier.*—Mémoires de l'Académie des sciences et lettres de Montpellier. (a) Médecine. (b) Sciences. Montpellier.
- Mém. Acad. R. Belg. Cl. Sci.*—Mémoires de l'Académie Royale des sciences, des lettres et des beaux-arts de Belgique. (Cont'd as: *Mémoires. Acad. R. de Belgique. Classe des sciences. Série II.*) Bruxelles.
- Mém. Acad. Savoie.*—Mémoires de l'Académie des sciences, belles-lettres et arts de Savoie. Chambéry.
- Mém. Acad. Sci. étrang. Paris.*—Mémoires présentés par divers savans à l'Académie [Royale] des sciences de l'Institut de France; ou Collection des mémoires des savans étrangers. Paris.
- Mém. Acad. Sci. Paris.*—Mémoires de l'Académie des sciences de l'Institut de France. Paris.
- Mém. Acad. Sci. St. Pétersb.*—Mémoires de l'Académie Imp. des sciences de St. Pétersbourg. Cl. phys.-math. (Zapiski Imp. Akademii Nauk.) Leningrad.
- Mém. Acad. Toulouse.*—Mémoires de l'Académie des sciences, inscriptions et belles-lettres de Toulouse.
- Mem. Acc. Lincei.*—Atti della R. Accademia dei Lincei. Memorie. Cl. di sci. fis. mat. e nat. Roma.
- Mem. Amer. Acad. Arts Sci.*—Memoirs of the American Academy of Arts and Sciences. Boston.
- Mem. Amer. Mus. Nat. Hist.*—Memoirs from the American Museum of Natural History. New York; London.
- Mem. Boston Soc. Nat. Hist.*—Memoirs of the Boston Society of Natural History. Boston.

- Mem. Carnegie Mus.*—Memoirs of the Carnegie Museum. Pittsburgh.
- Mem. Cornell Agric. Expt. Sta.*—Memoirs. Cornell University Agricultural Experiment Station. Ithaca, N.Y.
- Mém. cour. Acad. R. Belg.*—Mémoires couronnés et autres mémoires p. p. l'Académie R. des sciences, des lettres et des beaux-arts de Belgique. Bruxelles.
- Mem. Dept. Agric. Ind. Ent.*—Memoirs of the Dept. of Agriculture in India. Entomological series. Pusa; Calcutta.
- Mem. Inst. Oswaldo Cruz.*—Memorias do Instituto Oswaldo Cruz. Rio de Janeiro.
- Mém. Inst. polon. Econ. rur.*—Pamiętnik Państwowego Instytutu Naukowego Gospodarstwa Wiejskiego w Puławach. Mémoires de l'Institut national polonais d'économie rurale à Puławy. Kraków.
- Mém. Inst. Sci. Paris.*—Mémoires présentés à l'Institut des sciences, lettres, et arts par divers savans, et lus dans ses assemblées; sciences mathématiques et physiques. Paris.
- Mem. Ist. lombardo.*—Memorie dell'Istituto lombardo di scienze e lettere. Cl. di scienze matematiche e naturali. Milano.
- Mem. Manchr. Lit. Phil. Soc.*—Memoirs and Proceedings of the Manchester Literary and Philosophical Society. Manchester.
- Mem. Mat. Soc. Roma.*—Memorie di matematica e di fisica della Società italiana delle scienze. Roma.
- Mém. Mus. Hist. nat. Paris.*—Mémoires du Muséum d'histoire naturelle. Paris.
- Mem. Qd. Mus.*—Memoirs of the Queensland Museum. Brisbane.
- Mem. R. Acc. Bologna.*—Memorie della R. Accademia delle scienze dell'Istituto di Bologna. Cl. di scienze fisiche. Bologna.
- Mem. R. Acc. Modena.*—Memorie della R. Accademia di scienze, lettere ed arti in Modena.
- Mem. R. Acc. Torino.*—Memorie della R. Accademia delle scienze di Torino.
- Mem. R. Soc. S. Aust.*—Memoirs of the Royal Society of South Australia. Adelaide.
- Mém. Sci. math. phys. Inst. Paris.*—Mémoires de la classe des sciences mathématiques et physiques de l'Institut. Paris.
- Mém. Soc. acad. Aube.*—Mémoires de la Société académique d'agriculture, des sciences, arts et belles-lettres du dép. de l'Aube. Troyes.
- Mém. Soc. Amis Sci. nat. Moscou.*—See *Bull. Soc. Sci. Moscow*.
- Mem. Soc. "Ant. Alzate."*—Memorias y revista de la Sociedad científica "Antonio Alzate." México.
- Mém. Soc. Emul. Montbéliard.*—Mémoires de la Société d'émulation de Montbéliard.
- Mem. Soc. esp. Hist. nat.*—Memorias de la R. Sociedad española de historia natural. Madrid.
- Mém. Soc. Hist. nat. Strasbourg.*—Mémoires de la Société d'histoire naturelle de Strasbourg. Title varies.
- Mem. Soc. ital. Verona.*—Memorie di matematica e di fisica della Società italiana. Società italiana delle scienze. Verona.
- Mém. Soc. linn. Normandie.*—Mémoires de la Société linnéenne de Normandie. Caen.
- Mém. Soc. linn. Paris.*—Mémoires de la Société linnéenne de Paris.
- Mém. Soc. méd. Emul. Paris.*—Mémoires de la Société médicale d'émulation de Paris.
- Mém. Soc. nat. Agric. Fr.*—Mémoires de la Société nationale d'agriculture de France. Paris.
- Mém. Soc. Nat. Kiev.*—Mémoires de la Société des naturalistes de Kiev. (Zapiski Kievskago Obschestva Estestvoispytatelei.)
- Mém. Soc. nat. Sci. Cherbourg.*—Mémoires de la Société nationale des sciences naturelles et mathématiques de Cherbourg.

- Mém. Soc. Sci. Hainaut.*—Mémoires et publications de la Société des sciences, des arts et des lettres du Hainaut. Mons, Belgium.
- Mém. Soc. Sci. Liège.*—Mémoires de la Société R. des sciences de Liège. Bruxelles.
- Mém. Soc. Sci. Lille.*—Mémoires de la Société des sciences, de l'agriculture et des arts de Lille.
- Mém. Soc. Sci. nat. Saône-et-Loire.*—Mémoires de la Société des sciences naturelles de Saône-et-Loire. Châlon-sur-Saône.
- Mém. Soc. Sci. phys. nat. Bordeaux.*—Mémoires de la Société des sciences physiques et naturelles de Bordeaux.
- Mem. Soc. tosc. Sci. nat.*—Atti della Società toscana di scienze naturali. Memorie. Pisa.
- Mém. Soc. zool. Fr.*—Mémoires de la Société zoologique de France. Paris.
- Mem. Wern. Nat. Hist. Soc.*—Memoirs of the Wernerian Natural History Society. Edinburgh.
- Mendel J.*—Mendel Journal. London.
- Messenger orn.*—\*Messenger ornithologique. Ornitologicheskii Viestnik. (1-8, 1910-17.) Moskva.
- Mhft. naturw. Unterr.*—Monatshefte für den naturwissenschaftlichen Unterricht aller Schulgattungen. Leipzig; Berlin.
- Mhft. prakt. Derm.*—Monatshefte für praktische Dermatologie. (Cont'd as: Dermatologische Wochenschrift.) Leipzig; Hamburg.
- Mhft. prakt. Tierheilk.*—Monatshefte für praktische Tierheilkunde. Stuttgart.
- Microscope.*—The Microscope. Washington.
- Midl. Nat.*—Midland Naturalist. (Cont'd as: *Amer. Midl. Nat.*.) Notre Dame, Indiana.
- Mitt. aarg. naturf. Ges.*—Mittheilungen der Aargauischen Naturforschenden Gesellschaft. Aarau, Switzerland.
- Mitt. allg. Path. Sendai.*—Mittheilungen über allgemeine Pathologie u. pathologische Anatomie. Sendai, Japan.
- Mitt. deuts. Ges. Naturk. Ostasien.*—Mittheilungen der Deutschen Gesellschaft für Natur- u. Volkerkunde Ostasiens in Tokio.
- Mitt. embr. Inst. Wien.*—Mittheilungen aus dem Embryologischen Institut d. K. K. Univ. in Wien.
- Mitt. Geb. Med. Chir. Pharm.*—Mittheilungen aus dem Gebiete der Medicin, Chirurgie und Pharmacie. Kiel.
- Mitt. Ges. Physiokr.*—Mittheilungen der Gesellschaft für Physiokratie in Böhmen zu Prag.
- Mitt. Gsundtsamte Berl.*—Mittheilungen aus dem Kaiserlichen Gesundheitsamte. Berlin.
- Mitt. Lebensm. Hyg. Bern.*—Mittheilungen aus dem Gebiet der Lebensmitteluntersuchung und Hygiene. Bern, Switzerland.
- Mitt. mähr.-schles. Ges. Brunn.*—Mittheilungen d. K. K. Mährisch-Schlesischen Ges. zur Beförderung des Ackerbaues der Natur und Landeskunde in Brunn.
- Mitt. med. Fak. Tokio.*—Mittheilungen aus der Medizinischen Fakultät der Kaiserlichen Universität zu Tokyo.
- Mitt. MusVer. Krain.*—Mittheilungen des Musealvereins für Krain. (See *Carniola.*) Ljubljana (Laibach), Yugoslavia.
- Mitt. naturf. Ges. Bern.*—Mittheilungen der Naturforschenden Gesellschaft in Bern.
- Mitt. naturf. Ges. Solothurn.*—Mittheilungen der Naturforschenden Gesellschaft in Solothurn. Solothurn, Switzerland.
- Mitt. naturw. Ver. Greifswald.*—Mittheilungen des Naturwissenschaftlichen Vereins für Neu-Vorpommern u. Rugen in Greifswald. Berlin.
- Mitt. naturw. Ver. Steierm.*—Mittheilungen des Naturwissenschaftlichen Vereins für Steiermark. Graz, Austria.
- Mitt. oest. Reichsbd. Vogelk.*—\*Mittheilungen des Oesterreichischen Reichsbundes für Vogelkunde u. Vogelschutz in Wien. 1-13, 1901-13?

- Mitt. orn. Ver. Wien.*—\*Mittheilungen des Ornithologischen Vereines in Wien. (1-21, 1877-97. Cont'd as: *Schwalbe* [Beiblatt]. Section fur Gefugelizeucht und Briefftaubenwesen. 1-21, 1877-97.) Wien.
- Mitt. Ver. sachs. Orn.*—\*Mittheilungen des Vereins Sachsischer Ornithologen. (1, 1923+) Dresden.
- Mitt. Ver. Verbr. naturw. Kenn.*—Mittheilungen des Verein Nordlich der Elbe zur Verbreitung Naturwissenschaftlicher Kenntnisse. Kiel.
- Mitt. Vogelw.*—\*Mittheilungen uber die Vogelwelt. Blatter fur Vogelkunde und Vogelschutz. (1, 1902?+) Nurnberg; Stuttgart.
- Mitt. zool. Stat. Neapel.*—Mittheilungen aus der Zoologischen Station zu Neapel. (Cont'd as: Pubblicazioni della Stazione zoologica di Napoli.) Berlin.
- Mod. Zooiat. Torino.*—Moderno zooiatro. Torino.
- Mon. Hints Poul.*—\*Monthly Hints on Poultry. (1, 1906+) London.
- Mon. Int. J. Anat. Physiol.*—Monthly International Journal of Anatomy and Physiology. (Vols. 2 and 3 as Mon. Int. J. Anat. and Histology. Cont'd as: *Int. Mschr. Anat. Hist.*) Leipzig.
- Mon. J. Med.*—Monthly Journal of Medicine. (Title varies.) London; Edinburgh.
- Mon. Micr. J.*—The Monthly Microscopical Journal; Transactions of the Royal Microscopical Society. (Title varies. Preceded by *Trans. Micr. Soc.* Cont'd as: *J. R. Micr. Soc.*) London.
- Monit. zool. ital.*—Monitore zoologico italiano. Firenze.
- Morph. Arb. Jena.*—Morphologische Arbeiten. Jena.
- Morph. Jahrb.*—Gegenbaurs morphologisches Jahrbuch. Eine Zeitschrift fur Anatomie und Entwicklungsgeschichte. (1924+ as Jahrb. fur Morphologie und mikroskopische Anatomie.) Leipzig.
- Motorwagen.*—Motorwagen. Berlin.
- Msschr. Kinderhkk.*—Monatsschrift fur Kinderheilkunde. Leipzig; Wien.
- Msschr. Psychiat. Neurol.*—Monatsschrift fur Psychiatrie u. Neurologie. Berlin.
- Msschr. Unfallhkk.*—Monatsschrift fur Unfallheilkunde u. Invalidenwesen. Leipzig.
- Munch. med. Wschr.*—Munchener medizinische Wochenschrift. Munchen.
- Munch. tierarztl. Wschr.*—Munchener tierarztliche Wochenschrift. Munchen.
- Murrelet.*—\*The Murrelet (Pacific Northwest Bird and Mammal Club). (1, 1920+) Seattle, Wash.
- N. Amer. Fauna.*—North American Fauna. Washington.
- N. Amer. Pract.*—North American Practitioner. Chicago.
- N. Amer. Vet.*—North American Veterinarian. Evanston, Ill.
- N. Denkschr. schweiz. naturf. Ges.*—Neue Denkschriften der Schweizerischen Naturforschenden Gesellschaft. Zurich.
- N. Giorn. Lett.*—Nuovo giornale dei letterati. Pisa.
- N. J. Agric.*—New Jersey Agriculture. New Brunswick.
- N. Med. Phys. J.*—New Medical and Physical Journal; or Annals of Medicine, Natural History, and Chemistry. London.
- N. med.-chir. Zig.*—Neue medicinisch-chirurgische Zeitung. Salzburg, Austria, etc.
- N. Mém. Acad. Sci. Bruz.*—Nouveaux mémoires de l'Académie R. des sciences et belles-lettres de Bruxelles.
- N. Mém. Soc. Nat. Moscou.*—Nouveaux mémoires de la Société Imp. des naturalistes de Moscou. (Moskovskoe Obshchestvo Ispytatelei Prirody.) Moskva.
- N. Notiz. Nat. Heilk.*—Neue Notizen aus dem Gebiete der Natur- und Heilkunde. (Cont'd as: *Tagesber. Fortschr. Nat. Heilk.* Continues *Notiz. Nat. Heilk.*) Erfurt; Weimar.
- N. Schrift. naturf. Ges. Danzig.*—Neueste Schriften der Naturforschenden Gesellschaft in Danzig.
- N. Y. Med. J.*—New York Medical Journal. New York.
- N. Z. J. Sci. Tech.*—The New Zealand Journal of Science and Technology. Wellington.

- Nachr. Ges. Wiss. Gottingen.*—Nachrichten von der Gesellschaft der Wissenschaften zu Gottingen. Math.-Phys. Kl. Berlin.
- NachrBl. deuts. malakozool. Ges.*—Nachrichtsblatt der Deutschen Malakozoologischen Gesellschaft. Frankfurt am Main.
- Nasha Okh.*—Nasha Okhota. Leningrad.
- Nasha plits. Zhn.*—\*Nasha Ptitsevodnaia Zhizn. Kiev.
- Nat. canad.*—Naturaliste canadien. Québec.
- Nat. Geog. Mag.*—National Geographic Magazine. Washington.
- Nat. Hist. N. Y.*—Natural History. American Museum of Natural History. New York.
- Nat. Hist. Rev.*—Natural History Review; a Quarterly Journal of Biological Science. Natural History Society of Dublin. Dublin; London.
- Nat. Note Book.*—Naturalists' Note Book. London.
- Nat. Poult. J.*—\*National Poultry Journal. National Utility Poultry Society. (1, 1920+) London.
- Nat. Sci.*—Natural Science; a Monthly Review of Scientific Progress. London, etc.
- Nat. sicil.*—Naturalista siciliano. Palermo.
- Nat. Verd. Kbh.*—Naturens Verden. Kjøbenhavn.
- Natur deuts. naturw. Ges.*—Natur. Deutsche Naturwissenschaftliche Gesellschaft. Leipzig.
- Natur Halle.*—Die Natur. Zeitung zur Verbreitung naturwissenschaftlicher Kenntnis und Naturschauung für Leser aller Stände. Halle a. S.
- Natur u. Haus.*—Natur und Haus. (Cont'd as: Blätter f. Aquarien- u. Terrarienkunde.) Heilbronn.
- Natur u. Offenbar.*—Natur und Offenbarung. Münster i. W.
- Natur u. Sch.*—Natur und Schule. (Cont'd as: *Mhft. naturw. Unterr.*) Leipzig; Berlin.
- Naturalienkabinett.*—Naturalienkabinett mit Naturalien- und Lehrmittelmärkte. Grunberg i. Sch.
- Naturalist.*—Naturalist; a Monthly Journal of Natural History for the North of England. London.
- Naturaliste.*—Naturaliste. Paris.
- Nature Lond.*—Nature. London.
- Nature Paris.*—Nature. Paris.
- Naturen.*—Naturen. Bergen.
- Naturforscher (Sch.).*—Naturforscher (Schoenichen). Berlin.
- Naturforscher (Skl.).*—Naturforscher (Sklarek). Wochenblatt zur Verbreitung der Fortschritte in den Naturwissenschaften. Berlin; Tübingen.
- Naturh. Tidsskr.*—Naturhistorisk Tidsskrift. Kjøbenhavn.
- Naturw. Beob.*—Naturwissenschaftlicher Beobachter. Frankfurt am Main.
- Naturw. Mhft.*—Naturwissenschaftliche Monatshefte für den biologischen, chemischen, geographischen und geologischen Unterricht. Leipzig.
- Naturw. Rdsch.*—Naturwissenschaftliche Rundschau. Braunschweig.
- Naturw. Wschr.*—Naturwissenschaftliche Wochenschrift. Jena.
- Naturwissenschaften.*—Naturwissenschaften. Berlin.
- Natuurk. Tijdschr. Ned.-Ind.*—Natuurkundig Tijdschrift voor Nederlandsch-Indië. Batavia, Java.
- Natuurk. Verh. holland. Maatsch. Wet.*—Natuurkundige Verhandelingen van de Hollandische Maatschappij der Wetenschappen te Haarlem. Haarlem.
- Natuurk. Verh. prov. utrecht. Genoot. Kunst. Wet.*—Natuurkundige Verhandelingen Provinciaal Utrechtsch Genootschap van Kunsten en Wetenschappen. Utrecht.

- Naumannia*.—\*Naumannia. Organ of Deutsche Ornithologische Gesellschaft. Stuttgart; Dessau; Leipzig.
- Nautilus*.—Nautilus. Philadelphia; Boston.
- Ned. Arch. Genees- en Natuurk.*—Nederlandsch Archief voor Genees- en Natuurkunde. Utrecht.
- Ned. Bijdr. Anat.*—Nederlandsche Bijdragen tot de Anatomie (Petrus Camper). Haarlem; Jena.
- Ned. Lancet*.—Nederlandsch Lancet. Tijdschrift voor de geneeskundige Wetenschappen in Haren Geheelen om Vang. (Subtitle varies.) Amsterdam; 's Gravenhage; Utrecht.
- Ned. Tijdschr. Dierk.*—Nederlandsch Tijdschrift voor de Dierkunde (K. Zoologisch Genootschap Natura Artis Magistra). Amsterdam.
- Ned. Tijdschr. Geneesk.*—Nederlandsch Tijdschrift voor Geneeskunde. Amsterdam.
- Nerthus*.—Nerthus. Wochenschrift für Pflanzen und Blumenfreunde. Altona.
- Neu. hamburg. Mag.*—Neues hamburgisches Magazin, etc. Hamburg; Leipzig.
- Neue balt. Weidmannsbl.*—Neue baltische Weidmannsblätter. Riga.
- Neurol. Bull.*—Neurological Bulletin. Columbia University, New York.
- Neurol. Zbl.*—Neurologisches Zentralblatt. (Cont'd as: Zentralblatt f. d. gesamte Neurologie.) Leipzig.
- Névraze*.—Névraze. Recueil de neurologie normale et pathologique. Louvain.
- New Eng. J. Med.*—The New England Journal of Medicine and Surgery, and Collateral Branches of Science. Boston.
- Ni. Biseib. Gak. Z.*—Nippon Biseibutsu Gakkwai Zasshi. (Japanese.) [Journal of the Japanese Urological Society.] Kyoto.
- Ni. Byor. Gak. K.*—Nihon (Nippon) Byori Gakkwai Kwaishi. (Japanese and foreign languages.) [Trans. of the Japanese Pathological Society.] Tokyo.
- Ni. Gankwa Gak. Z.*—Nippon Gankwa Gakkwai Zasshi. (Japanese.) [Journal of the Japanese Surgical Society.] Tokyo.
- Ni. Tiks. Gak. Ho.*—Nippon Tikusan Gakkai Ho.
- Nidologist*.—\*The Nidologist. (1-4, 1893-97.) Alameda, Calif.
- Nied. Arch. Zool.*—Niederlaendisches Archiv für Zoologie. Leyden; Leipzig.
- Nieuwe Verh. proefonderv. Wijsbeg.*—Nieuwe Verhandelingen. Bataafsch Genootschap der Proefondervindelijke Wijsbegeerte. (See *Verh. proefonderv. Wijsbeg.*) Rotterdam.
- Normandie méd.*—Normandie médicale. Rouen.
- Norsk Mag. Laegevidenskab.*—Norsk magasin for laegevidenskaben. Oslo (Kristiania).
- Norsk orn. Tidsskr.*—\*Norsk ornithologisk tidsskrift. (1, 1920+) Stavanger.
- Nos Oiseaux; Bull.*—\*Nos oiseaux; bulletin. Société romande pour l'étude et la protection des oiseaux. (1, 1913+) Neuchâtel.
- Notes Leyden Mus.*—Notes from the Leyden Museum. Leyden.
- Notiz. Nat. Heilk.*—Notizen aus dem Gebiete der Natur und Heilkunde. Foriemp Notizen. (Cont'd as: *N. Notiz. Nat. Heilk.*) Erfurt; Weimar.
- Nouv. Ann. Mus. Hist. nat. Paris.*—Nouvelles annales du Muséum d'histoire naturelle. Paris.
- Nouv. Bull. Sci. Soc. philom. Paris.*—Nouveau bulletin des sciences de la Société philomathique de Paris.
- Nouv. Mém. Soc. Nat. Moscou.*—Nouveaux mémoires de la Société Imp. des naturalistes de Moscou. (Moskovskoe Obshchestvo Liubitelei Prirody.) Moskva.
- Nova Acta Acad. Sci. petrop.*—See *Novi Comment. Acad. Sci. petrop.*
- Nova Acta Soc. Sci. upsal.*—Nova Acta Regiae Societatis Scientiarum Upsaliensis. Upsala.
- Novi Comment. Acad. Sci. petrop.*—Novi Commentarii Academiae Scientiarum Imperialis Petropolitanae. Akademii Nauk. (Cont'd as: *Acta Acad. Sci. petrop.*, followed by *Nova Acta*, etc.) Leningrad.
- Novit. zool. Lond.*—Novitates zoologicae. A Journal of Zoology in Connection with the Tring Museum. London.

- Nuovi Ann. Minist. Agric. Roma.*—Nuovi annali del Ministero per l'agricoltura. Roma.
- Nuovi Ann. Sci. nat.*—Nuovi annali delle scienze naturali. Bologna.
- Nuovo Ercol.*—Nuovo ercolani. Milano.
- Nuovo Giorn. bot. ital.*—Nuovo giornale botanico italiano (e Bolletino della Società botanica italiana). Firenze.
- Nyt Mag. Naturv.*—Nyt magazin for naturvidenskaberne. (Cont'd as: Nytt magasin for naturvidenskapene.) Oslo (Kristiania).
- Obshch. russk. Vrach.*—Obshchestvo Russkikh Vrachei v Pamiat N. I. Pirogova. (Society of Russian Physicians in Pirogov's Memory.) Moskva.
- Occ. Pap. Bishop Mus. Honolulu.*—Occasional Papers of the Bernice Pauahi Bishop Museum of Polynesian Ethnology and Natural History. Honolulu.
- Occ. Pap. Calif. Acad. Sci.*—Occasional Papers of the California Academy of Sciences. San Francisco.
- Occ. Pap. Mus. Zool. Univ. Mich.*—Occasional Papers of the Museum of Zoology, University of Michigan. Ann Arbor.
- Oefvers. svensk. Vetensk. Akad. Forh.*—Oefversigt af Kongl. Svenska vetenskapsakademiens forhandlingar. Stockholm.
- Oest. ChemZtg.*—Oesterreichische Chemikerzeitung u. Zeitschr. f. Nahrungsmitteluntersuchung, Hygiene u. Warenkunde. Wien.
- Oest. Forst- u. Jagdztg.*—Oesterreichische Forst- u. Jagdzeitung. Wien.
- Oest. Vjschr. wiss. Vet.*—Oesterreichische Vierteljahrsschrift fur wissenschaftliche Veterinarkunde. Wien.
- Oest. Wschr. Tierhkk.*—Oesterreichische Wochenschrift fur Tierheilkunde u. Revue f. Tierheilkunde u. Tierzucht. Wien.
- Oest.-ung. Bl. Gefl.-Kaninchenz.*—\*Oesterreichisch-ungarische Blätter fur Geflügel- und Kaninchen-zucht. (1-5, 1878-82. Cont'd as: Allgemeine Geflügelzeitung.) Wien.
- Oest.-ung. Rev.*—Oesterreichisch-ungarische Revue. Wien.
- Oest.-ung. Vjschr. Zahnhkk.*—Oesterreichisch-ungarische Vierteljahrsschrift fur Zahnheilkunde. (Cont'd as: Wiener Vierteljahrsschrift fur Zahnheilkunde.) Wien.
- Oevers. finska Vetensk.-Soc. Helsingfors.*—Oeversikt av Finska vetenskaps-societets forhandlingar. Helsingfors (Helsinki).
- Ohio Div. Conserv. (Bull. or Res. Bur. Circ.)*—Ohio Department of Agriculture. Division of Conservation, Bureau of Scientific Research. (a) Bulletin, (b) Research Bureau Circular. Columbus.
- Ohio J. Sci.*—Ohio Journal of Science. Columbus.
- Oiseau.*—\*See *Rev. Hist. nat. appl.*
- Okayama Ig. Kw. Z.*—Okayama Igaku Kwai Zasshi. (Japanese.) [Journal of the Okayama Medical Society.]
- Okhot. Viest.*—Okhotnichij Viestnik. [Messenger de chasse.] Moskva.
- Onderz. physiol. Lab. Utrecht.*—Onderzoekingen gedaan in het Physiologisch Laboratorium der Utrechtsche Hoogeschool. Utrecht.
- Ool. Rec.*—\*The Oologist's Record. (1, 1921+) London.
- Oölogist.*—\*Oölogist. (1, 1884+) Albion, N.Y.
- Open Court.*—Open Court, a Monthly Magazine. Chicago.
- Ophth. Rec.*—Ophthalmic Record. Chicago.
- Ophthalmology.*—Ophthalmology. Milwaukee; Seattle.
- Opusc. Soc. med.-chir.*—Opuscoli della Società medico-chirurgica di Bologna.
- Oregon Nat.*—The Oregon Naturalist.
- Orn. et Avicult.*—\*Ornithologie et aviculture. Ptitseviendienie i Ptitsevodstvo. Moskva.
- Orn. Beob.*—\*Der ornithologische Beobachter. (L'Ornithologiste.) (1, 1902+) Basel.



- Orn. fenn.*—\*Ornis Fennica (Ornitologiska foreningen i Finland). (1, 1924+) Helsingfors (Helsinki).
- Orn. Jahrb.*—\*Ornithologisches Jahrbuch für das palaarktische Faunengebiet. (1-29, 1890-1918.) Hallein.
- Orn. Lond.*—\*The Ornithologist; a Magazine of Ornithology and Oology. (1, 1896-97.) London.
- Orn. Mber.*—\*Ornithologische Monatsberichte. (1, 1893+ Suppl. to *J. Orn.*) Berlin.
- Orn. Mschr.*—\*Ornithologische Monatsschrift. Mschr. deuts. Vereins zum Schutze der Vogelwelt. (1, 1876+) Halle; Leipzig; Magdeburg.
- Orn. Ool.*—\*Ornithologist and Oologist. (1-18, 1875-93.) Rockville, Conn.; Pawtucket, R.I., etc.
- Orn. Zbl.*—\*Ornithologisches Centralblatt. (1, 1872+ Suppl. to *J. Orn.*) Leipzig.
- Ornis.*—\*Ornis. Journal of the International Ornithological Committee. (1-14, 1885-1910.) Wien; London.
- Orv. Hetil.*—Orvosi Hetilap. Honi és Kulföldi Gyógyászat és Kórbuvarlat Kozlonye. Budapest.
- Osprey.*—\*Osprey. (1896-1902. Subtitle varies.) Galesburg, Ill.; New York; Washington.
- Ottawa Nat.*—Ottawa Naturalist. (Cont'd as: *Canad. Field Nat.*) Ottawa.
- Overland Mon.*—Overland Monthly. San Francisco.
- Orers. danske Vidensk. Selsk. Forh.*—Oversigt over det Kgl. Danske Videnskaber-bernes Selskabs Forhandlinger. Kjøbenhavn.
- Pacif. Cst. Avif.*—\*Pacific Coast Avifauna. Cooper Ornithological Club of California. (1, 1900+) Santa Clara, Calif.; Los Angeles.
- Pacif. Med. J.*—Pacific Medical Journal. San Francisco.
- Pam. fiz.*—Pamiętnik Fizyograficzny. Warszawa.
- Pam. Tow. lek. warsz.*—Pamiętnik Towarzystwa Lekarskiego Warszawskiego. Warszawa.
- Pap. Dept. Mar. Biol. Carnegie Instn.*—Papers from the Department of Marine Biology of the Carnegie Institution of Washington (Publications of the Carnegie Instn.). Washington.
- Pap. R. Soc. Tasm.*—Papers and Proceedings of the Royal Society of Tasmania. Hobart.
- Pap. Tort. Lab. Carnegie Instn.*—Papers from the Tortugas Laboratory of the Carnegie Institution of Washington.
- Parasitology.*—Parasitology. (Suppl. to *J. Hyg. Camb.*) Cambridge, England.
- Pathologica.*—Pathologica. Rivista quindicinale. Genova.
- Peking Nat. Hist. Bull.*—Peking Natural History Bulletin. (1926-29 as Bulletin: Peking Society of Natural History. Continues Bull. of the Dept. of Biology, Yenching University.) Peiping.
- Pflügers Arch.*—See *Arch. ges. Physiol.*
- Pharm. J.*—Pharmaceutical Journal. London.
- Phil. Mag.*—London, Edinburgh, and Dublin Philosophical Magazine and Journal of Science. London.
- Phil. Trans.*—Philosophical Transactions of the Royal Society. London.
- Philipp. Agric.*—Philippine Agriculturist. 1-6, Philippine Agriculturist and Forester. Los Baños, P. I.
- Philipp. J. Sci.*—Philippine Journal of Science. (a) Chemistry and Geology. (b) Medicine. (c) Botany. (d) Biology. Manila.
- Physic. Surg. Ann Arbor.*—Physician and Surgeon. Ann Arbor, Mich.
- Physic. Surg. Lond.*—Physician and Surgeon. London.
- Physiol. expér.*—Physiologie expérimentale. Paris.
- Physiol. Rev.*—Physiological Reviews. Baltimore.
- Physiol. russe.*—Physiologiste russe. Moskva.

- Physis B. Aires.*—*Physis*. Revista de la Sociedad argentina de ciencias naturales. Buenos Aires.
- Pisani.*—Il Pisani. Gazzetta sicula di freniatria e scienze affini. (Subtitle varies.) Palermo.
- Policlinico.*—Policlinico. Roma.
- Pommersch. Gefugeltz.*—\*Pommerscher Gefugeltzuchter. (Continues *Z. Orn.*) Stettin.
- Pop. Astr.*—Popular Astronomy. Northfield, Minn.
- Pop. Sci. Mon.*—Popular Science Monthly. New York.
- Pop. Sci. Rev.*—Popular Science Review. London.
- Poult. Mon. Albany, N. Y.*—\*Poultry Monthly. (1-24, 1878-1902.) Albany, N. Y.
- Poult. Sci.*—\*Poultry Science. (1, 1921+) Urbana, Ill.; Ithaca, N. Y.
- Poult. Sub. Farm.*—\*Poultry and Suburban Farmer. (1-12, 1904-1916.) Kalamazoo, Mich.; Freeport, Ill., etc.
- Poult. Wld.*—\*Poultry World. (1, 1907+) London.
- Pr. méd. belg.*—Presse médicale belge. Bruxelles.
- Pr. sci. Mondes.*—Presse scientifique des deux mondes. Paris.
- Prac. Ent.*—The Practical Entomologist. Philadelphia.
- Prace Inst. Nenck.*—Prace Instytutu im. M. Nenckiego. Travaux de l'Institut Nencki. Towarzystwo Naukowe Warszawskie. Warszawa.
- Practitioner.*—Practitioner. London.
- Prag. Arch. Tiermed.*—Prager Archiv für Tiermedizin und vergleichende Pathologie. Praha.
- Prag. med. Wschr.*—Prager medizinische Wochenschrift. Praha.
- Prag. tierarztl. Arch.*—Prager tierärztliches Archiv. Praha.
- Preuss. Provinzbl.*—Preussische Provinzialblätter. Königsberg; Berlin.
- Priroda i Okh.*—Priroda i Okhota. Suppl. to Okhotnichia Gazeta. [Nature and Hunting.] Moskva.
- Proc. Acad. Nat. Sci. Phila.*—Proceedings of the Academy of Natural Sciences of Philadelphia.
- Proc. Acad. Sci. Amst.*—Proceedings of the Royal Academy of Sciences, Amsterdam. (Akademie van Wetenschappen, Section of Sciences.)
- Proc. Amer. Assoc. Adv. Sci.*—Proceedings of the American Association for the Advancement of Science. Philadelphia.
- Proc. Amer. Phil. Soc.*—Proceedings of the American Philosophical Society. Philadelphia.
- Proc. Amer. Physiol. Soc.*—Proceedings of the American Physiological Society. (Issued with *Amer. J. Physiol.*) Boston.
- Proc. Amer. Soc. Anim. Prod.*—Record of Proceedings. American Society of Animal Production. Madison, Wis., etc.
- Proc. Amer. Soc. Micr.*—Proceedings of the American Society of Microscopists. Title varies. See *Trans. Amer. Micr. Soc.*
- Proc. Amer. Vet. Med. Assoc.*—Proceedings of the American Veterinary Medical Association. (See also *J. Amer. Vet. Med. Assoc.* and *Proc. U. S. Vet. Med. Assoc.*) Philadelphia.
- Proc. Anat. Anthropol. Soc. Aberd.*—Proceedings of the Anatomical and Anthropological Society. Aberdeen Univ. Studies. Aberdeen.
- Proc. Asiat. Soc. Bengal.*—Proceedings of the Asiatic Society of Bengal. Calcutta.
- Proc. Bgham. Nat. Hist. Soc.*—Proceedings of the Birmingham Natural History and Philosophical Society. Birmingham, England.
- Proc. Biol. Soc. Wash.*—Proceedings of the Biological Society of Washington.
- Proc. Boston Soc. Nat. Hist.*—Proceedings of the Boston Society of Natural History. Boston.
- Proc. Brit. Pharm. Conf.*—Proceedings of the British Pharmaceutical Conference. London.

- Proc. Calif. Acad. Sci.*—Proceedings of the California Academy of Sciences. San Francisco.
- Proc. Camb. Phil. Soc.*—Proceedings of the Cambridge Philosophical Society. Cambridge.
- Proc. Cotteswold Nat. F. Cl.*—Proceedings of the Cotteswold Naturalists' Field Club. Gloucester.
- Proc. Croydon Nat. Hist. Sci. Soc.*—Proceedings and Transactions of the Croydon Natural History and Scientific Society. (1878–1901. *Proc. and Trans. Croydon Microscopical and Natural History Club.*) Croydon.
- Proc. Dorset Nat. Hist. F. Cl.*—Proceedings of the Dorset Natural History and Antiquarian Field Club. Dorchester.
- Proc. E. Scot. Un. Nat. Soc.*—Proceedings of the East of Scotland Union of Naturalists' Societies. Perth.
- Proc. Ent. Soc. Lond.*—Proceedings of the Entomological Society of London.
- Proc. Ent. Soc. Wash.*—Proceedings of the Entomological Society of Washington.
- Proc. Essex Field Cl.*—Journal of Proceedings of the Essex Field Club. London.
- Proc. Essex Inst.*—Proceedings of the Essex Institute. Salem, Mass.
- Proc. Glasgow Phil. Soc.*—Proceedings of the Glasgow Philosophical Society. Glasgow.
- Proc. Hawaii. Ent. Soc.*—Proceedings of the Hawaiian Entomological Society. Honolulu.
- Proc. Indiana Acad. Sci.*—Proceedings of the Indiana Academy of Science. Brookville.
- Proc. Iowa Acad. Sci.*—Proceedings of the Iowa Academy of Science. Des Moines.
- Proc. Linn. Soc. Lond.*—Proceedings of the Linnean Society of London. London.
- Proc. Lit. Phil. Soc. Lpool.*—Proceedings of the Literary and Philosophical Society of Liverpool.
- Proc. Lpool. Biol. Soc.*—Proceedings and Transactions of the Liverpool Biological Society. Liverpool.
- Proc. Manchr. Lit. Phil. Soc.*—Proceedings of the Manchester Literary and Philosophical Society. Manchester, England.
- Proc. N. S. Inst. Sci.*—Proceedings and Transactions of the Nova Scotian Institute of Science. Halifax, N.S.
- Proc. Nat. Acad. Sci. Wash.*—Proceedings of the National Academy of Sciences. Washington.
- Proc. Nat. Hist. Soc. Dublin.*—Proceedings of the Natural History Society of Dublin.
- Proc. Nat. Hist. Soc. Glasgow.*—Proceedings of the Natural History Society of Glasgow. Title varies.
- Proc. Nat. Nut Gr. Assoc. U. S.*—Proceedings of the National Nut Growers' Association. Mobile, Ala.
- Proc. Neb. Orn. Un.*—\*Proceedings of the Nebraska Ornithologists' Union. (1–6, 1899–1902. Cont'd as: *Wilson Bull.*) Lincoln.
- Proc. New Eng. Zool. Cl.*—Proceedings of the New England Zoological Club. Cambridge, Mass.
- Proc. Okla. Acad. Sci.*—Proceedings of the Oklahoma Academy of Science. Norman.
- Proc. Physiol. Soc. Lond.*—Proceedings of the Physiological Society. [Issued with *J. Physiol.*] London; Cambridge.
- Proc. R. Irish Acad.*—Proceedings Royal Irish Academy. Dublin.
- Proc. R. Instn.*—Notices of the Proceedings of the Royal Institution of Great Britain.
- Proc. R. Phys. Soc. Edinb.*—Proceedings of the Royal Physical Society of Edinburgh.
- Proc. R. Phys. Soc. Lond.*—Proceedings of the Royal Physical Society of London.
- Proc. R. Soc. Canad.*—Proceedings and Transactions of the Royal Society of Canada. (Cont'd as: *Trans. R. Soc. Canad.*) Ottawa.

- Proc. R. Soc. Edinb.*—Proceedings of the Royal Society of Edinburgh.
- Proc. R. Soc. Lond.*—Proceedings of the Royal Society of London.
- Proc. R. Soc. Med.*—Proceedings of the Royal Society of Medicine. London.
- Proc. R. Soc. Qd.*—Proceedings of the Royal Society of Queensland. Brisbane.
- Proc. R. Soc. Viet.*—Transactions and Proceedings of the Royal Society of Victoria. Melbourne.
- Proc. Scot. Micr. Soc.*—Proceedings of the Scottish Microscopical Society. Edinburgh.
- Proc. Soc. Antiq. Scot.*—Proceedings of the Society of Antiquaries of Scotland. Edinburgh.
- Proc. Soc. Exp. Biol. N.Y.*—Proceedings of the Society of Experimental Biology and Medicine. New York.
- Proc. Soc. Prom. Agric. Sci. N.Y.*—Proceedings of the Society for the Promotion of Agricultural Science. Syracuse, N.Y.
- Proc. U. S. Nat. Mus.*—Proceedings of the United States National Museum. Washington.
- Proc. U. S. Vet. Med. Assoc.*—Proceedings of the United States Veterinary Medical Association. Cont'd as: *J. Amer. Vet. Med. Assoc.*
- Proc. verb. Soc. tosc. Sci. nat.*—Processi verbali della Società toscana de scienze naturali in Pisa.
- Proc. Warwicksh. Nat. F. Cl.*—Proceedings of the Warwickshire Naturalists' and Archaeologists' Field Club. Warwick.
- Proc. Yorksh. Phil. Soc.*—Proceedings of the Yorkshire Philosophical Society. London.
- Proc. Zool. Soc. Lond.*—Proceedings of the Zoological Society of London.
- Proc.-verb. Akad. Wet. Amst.*—Processen-verbaal van de gewone Vergaderingen der K. Akademie van Wetenschappen. Afdeling Natuurkunde. Amsterdam.
- Proc.-verb. Soc. linn. Bordeaux.*—Procès-verbaux de la Société linnéenne de Bordeaux.
- Proc.-verb. Soc. philom. Paris.*—Extraits des procès-verbaux des séances de la Société philomathique de Paris.
- Proc.-verb. Soc. Sci. phys. nat. Bordeaux.*—Procès-verbaux de la Société des sciences physiques et naturelles de Bordeaux.
- Prog. Louisville.*—Progress. A Monthly Magazine for Students and Practitioners of Medicine. Louisville, Ky.
- Prog. méd. Paris.*—Progrès médical. Paris.
- Prometheus.*—Prometheus. Illustrierte Wochenschrift über die Fortschritte in Gewerbe, Industrie und Wissenschaft. Leipzig.
- Prot. Obshch. Est. Varshava.*—Protokoly Zasedanii i Trudy Obshchestva Estestvoispytatelei pri Imp. Varshavskom Universitete. [Proceedings of the Meetings of the Society of Naturalists at the University of Warsaw.] Warszawa.
- Prot. Spb. Obshch. Est.*—Protokoly Zasedanii Imp. St.-Peters. (Leningradski) Obshchestva Estestvoispytatelei. [Comptes rendus des séances de la Société impériale des naturalistes de St. Pétersbourg.] Leningrad.
- Przy. Przem.*—Przyroda i Przemysł. [Nature and Commerce.] Poznań.
- Psikhiat. Gaz.*—Psikhiatricheskaya Gazeta. La gazette psychiatrique. Leningrad.
- Psyche.*—Psyche, a Journal of Entomology. Cambridge, Mass.
- Psychiat. neurol. Bl. Amst.*—Psychiatrische en neurologische Bladen. Amsterdam.
- Psychol. Bull.*—Psychological Bulletin. Lancaster, Penn.
- Psychol. Forsch.*—Psychologische Forschung. Zeitschrift für Psychologie und ihre Grenzwissenschaften. Berlin.
- Psychol. Rev.*—Psychological Review. Lancaster, Penn.
- Ptitservedienie*—See *Orn. et Avicult.*
- Pub. Carneg. Instn.*—Publications. Carnegie Institution of Washington. Washington.
- Pub. Field Mus. Nat. Hist.*—Publications. Field Museum of Natural History. (d) Ornithological Series. (f) Zoological Series. Chicago.

- Pubb. Ist. Anat. Firenze.*—Pubblicazioni dell'Istituto anatomie di Firenze. Firenze.
- Pubb. R. Ist. Firenze.*—Pubblicazioni dell'Istituto di studi superiori pratici e di perfezionamento in Firenze. (a) Museo ed erbario coloniale. (b) Sezione di scienze fisiche e naturali. (c) Sezione di medicina e chirurgia. Firenze.
- Publ. Hlth. Lond.*—Public Health. London.
- Publ. Hlth. Rep. Wash.*—Public Health Reports. Washington.
- Quart. J. Exp. Physiol.*—Quarterly Journal of Experimental Physiology. London.
- Quart. J. Geol. Soc. Lond.*—Quarterly Journal of the Geological Society of London.
- Quart. J. Micr. Sci.*—The Quarterly Journal of Microscopical Science. London.
- Quart. J. Sci.*—The Quarterly Journal of Science. Title varies. Became *J. Sci. Lond.* July 1864, absorbed *Edinb. New Phil. Mag.*
- Quart. Rev.*—The Quarterly Review. London.
- Rab. Lab. zool. Kab. Varshava.*—Raboty iz Laboratorii Zoologicheskago Kabineta Imp. Varshavskago Universiteta. [Arbeiten aus d. zool. Kabinet d. Kais. Warschauer Univers.] Warszawa.
- Rab. zool. Lab. Varshava.*—Raboty iz Zootomicheskoi Laboratorii Varshavskago Universiteta. [Arbeiten aus d. zootom. Laborat. d. Univ. Warschau.] Warszawa.
- Raccogl. med.*—Raccoglitore medico. Forli.
- Rass. Clin. Terap.*—Rassegna di clinica, terapia (e scienze affini). Roma.
- Ray Soc. Pub.*—Ray Society Publications. London.
- Rec. Albany Mus.*—Records of the Albany Museum. Grahamstown, Union of S. Africa.
- Rec. Aust. Mus.*—Records of the Australian Museum. Sydney.
- Rec. Ind. Mus.*—Records of the Indian Museum. Calcutta.
- Rec. Méd. vét. Paris.*—Recueil de médecine vétérinaire. Paris.
- Rec. Mém. Méd. Chir. Pharm. mil.*—Recueil de mémoires de médecine, de chirurgie et de pharmacie militaires. Paris.
- Rec. Trav. chim. Pays-Bas.*—Recueil des travaux chimiques des Pays-Bas et de la Belgique. Leiden.
- Rec. zool.*—Recueil zoologique suisse. Genève.
- Recreat. Sci.*—Recreative Science; a Record and Remembrance of Intellectual Observation. London.
- Reliable Poulf. J.*—\*Reliable Poultry Journal. (1, 1894–1931. Cont'd as: New Reliable Poultry Journal.) Quincy, Ill.; Dayton, Ohio.
- Rend. Acc. Bologna.*—Rendiconti delle sessioni della R. Accademia delle scienze dell'Istituto di Bologna.
- Rend. Acc. Lincei.*—Atti della R. Accademia dei Lincei. Rendiconti. Cl. di sci. fis. mat. e nat. Roma.
- Rend. Acc. Lincei Sed. solenn.*—Atti della R. Acc. dei Lincei. Rendiconti delle sedute solenni. Roma.
- Rend. Acc. Napoli.*—Rendiconti della R. Accademia delle scienze fisiche e matematiche. Napoli.
- Rend. Ist. lombardo.*—Rendiconti dell'Istituto lombardo di scienze e lettere. Milano.
- Rep. Aero. Soc. Lond.*—Annual Report of the Aeronautical Society of Great Britain. London.
- Rep. Agric. Dept. Br. Virgin Is.*—Report of the Agricultural Department, British Virgin Islands. Tortola.
- Rep. Amer. Breed. Assoc.*—Report of the American Breeders' Association. Washington.
- Rep. anal. Chem.*—Repertorium der analytischen Chemie. Hamburg.
- Rép. Anat. Physiol.*—Répertoire d'anatomie et de physiologie pathologiques. Paris.

- Rep. Aust. Assoc. Adv. Sci.*—Report. Australasian Association for the Advancement of Science. Sydney.
- Rep. Belfast Nat. Hist. Soc.*—Report and Proceedings of the Belfast Natural History and Philosophical Society. (Cont'd as: Proc. and Rep.) Belfast.
- Rep. Bright. Suss. Nat. Hist. Phil. Soc.*—Report. Brighton and Sussex Natural History and Philosophical Society. Brighton.
- Rep. Brit. Assoc.*—Report of the British Association for the Advancement of Science. London.
- Rep. Bur. Microbiol. N.S.W.*—Report of the Government Bureau of Microbiology, New South Wales. Sydney.
- Rep. Cancer Comm. Harv.*—Reports of the Cancer Commission. Harvard University Medical School. Boston.
- Rep. Commiss. Patents Wash.*—Report of the Commissioner of Patents. Washington.
- Rep. Devons. Assoc. Adv. Sci.*—Report and Transactions of the Devonshire Association for the Advancement of Science. Plymouth.
- Rep. Ealing (Nat.) Sci. Micr. Soc.*—Annual Report of the Ealing Natural Science (Scientific) and Microscopical Society.
- Rep. Ent. Soc. Ont.*—Annual Report of the Entomological Society of Ontario. Toronto.
- Rep. Exp. Fms. Canad.*—Annual Report on the Experimental Farms. Dept. of Agriculture, Canada. Ottawa.
- Rép. gén. Anat. Physiol. path.*—Répertoire général d'anatomie et de physiologie pathologiques, etc. Paris.
- Rep. Indiana Agric. Expt. Sta.*—Annual Report of the Indiana Agricultural Experiment Station. Lafayette.
- Rep. Kans. St. Bd. Agric.*—Report of the Kansas State Board of Agriculture. Topeka.
- Rep. Leeds Nat. Club.*—Annual Report of the Leeds Naturalists' Club and Scientific Association.
- Rep. Maine Agric. Expt. Sta.*—Annual Report of the Maine Agricultural Experiment Station. Orono.
- Rep. Marlboro. Coll. Nat. Hist. Soc.*—Report of the Marlborough College Natural History Society. Marlborough.
- Rep. Mich. Acad. Sci.*—Annual Report of the Michigan Academy of Science. Lansing.
- Rep. Mich. Agric. Expt. Sta.*—Report of the Michigan Agricultural Experiment Station. Lansing.
- Rep. Minn. Ent.*—Report of the Minnesota State Entomologist. St. Paul.
- Rep. Missouri Bot. Gdn.*—Annual Report of the Missouri Botanical Garden. (Cont'd as: Annals.) St. Louis.
- Rep. N. J. Agric. Expt. Sta.*—Report of the New Jersey Agricultural Experiment Station. Princeton; Trenton.
- Rep. N. Staffs. F. Cl.*—Annual Report and Transactions (North Staffordshire Field Club). Stafford.
- Rep. N. Y. St. Mus. Sci. Div.*—Report of the New York State Museum, Science Division. New York.
- Rep. N. Y. Zool. Soc.*—Annual Report of the New York Zoological Society. New York.
- Rep. Nat. Bd. Health Wash.*—Reports (Annual) of the National Board of Health. Washington.
- Rep. Neb. Agric. Expt. Sta.*—Annual Report. Nebraska Agricultural Experiment Station. Lincoln.
- Rep. Neb. St. Bd. Agric.*—Annual Report of the Nebraska State Board of Agriculture. Lincoln.

- Rep. Ohio Agric. Expt. Sta.*—Annual Report of the Ohio Agricultural Experiment Station. Wooster.
- Rep. Ohio St. Bd. Agric.*—Annual Report of the Ohio State Board of Agriculture. Columbus.
- Rep. Pharm. Nuremb.*—Repertorium für die Pharmacie. Nuremberg.
- Rép. Pharm. Paris.*—Répertoire de pharmacie et Archives de pharmacie. Paris.
- Rep. Quebec Soc. Prot. Pl.*—Annual Report of the Quebec Society for the Protection of Plants from Insects and Fungus Diseases. Quebec.
- Rep. R. I. Agric. Expt. Sta.*—Annual Report of the Rhode Island Agricultural Experiment Station. Kingston.
- Rep. Rugby Sch. Nat. Hist. Soc.*—Report of the Rugby School Natural History Society. Rugby.
- Rep. S. Afr. Assoc. Adv. Sci.*—Report of the South African Association for the Advancement of Science. Cape Town.
- Rep. Smithsonian. Instn.*—Annual Report of the Board of Regents of the Smithsonian Institution. Washington.
- Rep. U. S. Bur. Anim. Ind.*—Annual Report of the U. S. Bureau of Animal Industry. Washington.
- Rep. U. S. Dept. Agric.*—Annual Report. United States Department of Agriculture. Washington.
- Rep. U. S. Geol. Surv.*—Annual Report of the Geological Survey of the United States. Washington.
- Rep. U. S. Nat. Mus.*—Report of the United States National Museum. Washington.
- Rep. U. S. Surv. Terr.*—Annual Report of the United States Geological and Geographical Survey of the Territories. Washington.
- Rep. Wellcome Trop. Res. Labs.*—Report of the Wellcome Tropical Research Laboratories. Khartoum.
- Rep. Wellington Coll. Nat. Sci. Soc.*—Annual Report of the Wellington College Natural Science Society. Wellington, New Zealand.
- Res. Bull. Missouri Agric. Expt. Sta.*—Research Bulletin. Missouri Agricultural Experiment Station. Columbia.
- Rev. arg. Hist. nat.*—Revista argentina de historia natural. Buenos Aires.
- Rev. biol. Nord Fr.*—Revue biologique du nord de la France. Lille.
- Rev. franç. Endocr.*—Revue française d'endocrinologie. Paris.
- Rev. franç. Orn.*—\*Revue française d'ornithologie scientifique et pratique. Société ornithologique de France. (1, 1909+) Paris.
- Rev. gén. Bot.*—Revue générale de botanique. Paris.
- Rev. gén. Clin.*—Revue générale de clinique et de thérapeutique. Paris.
- Rev. gén. Sci. pur. appl.*—Revue générale des sciences pures et appliquées. Paris.
- Rev. Hist. nat. appl.*—Revue d'histoire naturelle appliquée. Société nationale d'acclimatation de France. (b) \*L'Oiseau. (1-11, 1920-31. Cont'd in new series as simply Oiseau). Paris.
- Rev. Hyg. Paris.*—Revue d'hygiène et de police sanitaire. Paris.
- Rev. int. Sci. biol. Paris.*—Revue internationale des sciences biologiques. Paris.
- Rev. Laryng. Paris.*—Revue de laryngologie, d'otologie et de rhinologie. Paris.
- Rev. Mag. Zool.*—Revue et magasin de zoologie pure et appliquée. Paris.
- Rev. méd. Est.*—Revue médicale de l'Est. Nancy.
- Rev. méd. franç.*—Revue médicale française. Paris.
- Rev. méd. Suisse rom.*—Revue médicale de la Suisse romande. Genève.
- Rev. Med. trop. Habana.*—Revista de medicina tropical. Habana.
- Rev. Microbiol. Epidém. Saratov.*—Revue de microbiologie et d'épidémiologie (et de parasitologie). (Viestnik Mikrobiologii Epidemiologii i Parazitologii.) Saratov.

- Rev. Mondes.*—Revue des deux mondes. Paris.
- Rev. Mus. paul.*—Revista do Museu paulista. São Paulo.
- Rev. Quest. sci.*—Revue des questions scientifiques, publiée par la Société scientifique de Bruxelles. Louvain; Paris; Bruxelles.
- Rev. sci. Bourbonnais.*—Revue scientifique du Bourbonnais et du centre de la France. Moulins.
- Rev. sci. Limousin.*—Revue scientifique du Limousin. Limoges.
- Rev. Sci. nat.*—Revue des sciences naturelles. Paris; Montpellier.
- Rev. Sci. nat. appl.*—Revue des sciences naturelles appliquées. (Also *Bull. Soc. Acclim. Fr.* Vols. 36–42. Title varies.) Paris.
- Rev. Sci. nat. Ouest.*—Revue des sciences naturelles de l'Ouest. Paris.
- Rev. sci. Paris.*—Revue scientifique. (Revue rose.) (1863–70, as *Revue des cours scientifiques de la France et de l'étranger.* 1871–81, as *Rev. sci. de la France et de l'étranger.*) Paris.
- Rev. suisse Zool.*—Revue suisse de zoologie. Genève.
- Rev. trimest. microg.*—Revista trimestral micrográfica. Madrid.
- Rev. Tuberc. Paris.*—Revue de la tuberculose. Paris.
- Rev. zool. Paris.*—Revue zoologique, par la société cuviérienne. (After 1849 as: *Rev. Mag. Zool.*) Paris.
- Rev. zool. russe.*—Revue zoologique russe. (See *Russk. zool. Zh.*) Moskva.
- Rev. Zootech.*—Revue de zootechnie. Paris.
- Rhea.*—\*Rhea. Zeitschrift für die gesamte Ornithologie. (1–2, 1846–49.) Leipzig.
- Ricer. Lab. Anat. norm. Roma.*—Ricerche del Laboratorio di anatomia normale della R. Università di Roma. Cont'd as: *Ricer. Morfol. Roma.*
- Ricer. Morfol. Roma.*—Ricerche di morfologia. Roma.
- Ridgway Orn. Cl. Bull.*—\*Ridgway Ornithological Club of Chicago. Bulletin. 1–2, 1883–87.
- Riforma med.*—Riforma medica. Napoli.
- Riv. Biol.*—Rivista di biologia. Roma.
- Riv. Igi.*—Rivista d'igiene e sanità pubblica. Roma; Torino.
- Riv. ital. Orn.*—\*Rivista italiana di ornitologia. (1, 1911+) Bologna.
- Riv. ital. Sci. nat.*—Rivista italiana di scienze naturali. (Subtitle varies. 1881–88 as: *Bollettino del naturalista, collettore, allevatore, coltivatore.*) Siena.
- Riv. ital. Terap.*—Rivista italiana di terapia e igiene. Piacenza.
- Riv. neuropat.*—Rivista neuropatologica. Torino.
- Riv. Patol. nerv. ment.*—Rivista di patologi nervosa e mentale. Firenze.
- Riv. sper. Freniat.*—Rivista sperimentale di freniatria e medicina legale delle alienazioni mentali. Reggio nell'Emilia.
- Rochester Nat.*—Rochester Naturalist. Rochester, England.
- Rozpr. biol. med. wet.*—Rozprawy Biologiczne z Zakresu Medycyny Weterynarnej Rolnictwa i Hodowli. Łwów (Lemberg).
- Rozpr. české Akad.*—Rozpravy České Akademie Císaře Františka Josefa pro Vědy, Slovesnost a Umění. [Dissertations of the Bohemian Academy of the Emperor Francis Joseph for Science, Literature and Art in Prague.] Praha.
- Russk. Arkh. Pat.*—Russkii Arkhiv Patologii, Klinicheskoi Meditsiny i Bakteriologii. [Russian Archives of Pathology, Clinical Medicine, and Bacteriology.] Leningrad.
- Russk. Vrach.*—Russkii Vrach. [Russian Physician.] Leningrad.
- Russk. zool. Zh.*—Russkii Zoologicheskii Zhurnal. Moskva.
- S. Afr. J. Sci.*—South African Journal of Science. Cape Town.
- S. Aust. Orn.*—\*South Australian Ornithologist. (1914+) Adelaide.
- St. Hubertus.*—Sankt Hubertus. Wochentliche illustrierte Zeitschrift für Jagd, Hundezucht, Fischerei und Naturkunde. Cothen, Germany.
- St. Louis Med. Surg. J.*—St. Louis Medical and Surgical Journal. St. Louis.



- St. Petersb. med. Z.*—St. Petersburg medicinische Wochenschrift (Zeitschrift). Leningrad.
- Samml. klin. Vortr.*—Sammlung klinischer Vorträge. (R. von Volkmann.) Leipzig.
- Samml. Nat. Med.*—Sammlung von Natur- und Medizin-, wie auch hierzu gehörigen Kunst- und Literatur-Geschichten. Breslau; Leipzig, etc.
- San. J. Glasg.*—The Sanitary Journal; a Journal of Hygiene and Public Health. Glasgow.
- Sch. Sci. Math.*—School Science and Mathematics. Chicago.
- Schles. landw. Ztg.*—Schlesische landwirtschaftliche Zeitung. Breslau.
- Schr. berl. Ges. naturf. Fr.*—Schriften der Berlinischen Gesellschaft Naturforschender Freunde. Berlin.
- Schr. Ges. ges. Naturw. Marburg.*—Schriften der Gesellschaft zur Beförderung der Gesamten Naturwissenschaften zu Marburg.
- Schr. naturf. Ges. Danzig.*—Schriften der Naturforschenden Gesellschaft in Danzig.
- Schr. naturf. Ges. Dorpat.*—Schriften herausgegeben von der Naturforschergesellschaft bei der Universität Dorpat. Dorpat, Esthonia.
- Schr. naturw. Ver. Schl.-Holst.*—Schriften des Naturwissenschaftlichen Vereins für Schleswig-Holstein. Kiel.
- Schr. phys.-ökon. Ges. Königsberg.*—Schriften der Physikalisch-ökonomischen Gesellschaft zu Königsberg i Pr.
- Schr. Univ. Kiel.*—Schriften der Universität zu Kiel.
- Schr. Ver. naturw. Kenntn. Wien.*—Schriften des Vereins zur Verbreitung naturwissenschaftlicher Kenntnisse in Wien.
- Schwalbe.*—\*Schwalbe. Berichte des Komitee für Ornithologische Beobachtungsstationen in Oesterreich. (1898–1913. Preceded by *Mitt. orn. Ver. Wien.*) Wien.
- Schweiz. Arch. Neurol. Psychiat.*—Schweizer Archiv für Neurologie und Psychiatrie=Arch. suisses de neurologie et de psychiatrie. Zürich.
- Schweiz. Arch. Tierhkl.*—Schweizer Archiv für Tierheilkunde. Zürich.
- Schweiz. Bl. Orn.*—\*Schweizerische Blätter für Ornithologie, Geflügel- u. Kaninchenzucht. Schweizerischer Ornithologischer Verein. (1–39, 1877–1915?) Zürich.
- Schweiz. FischZtg.*—Schweizerische Fischereizeitung. Pfäffikon.
- Schweiz. med. W'schr.*—Schweizerische medizinische Wochenschrift. Basel.
- Sci. Agric.*—Scientific Agriculture. Ottawa.
- Sci. Amer.*—Scientific American. New York.
- Sci. Amer. Suppl.*—Scientific American Supplement. (Cont'd as: Scientific American Monthly.) New York.
- Sci. Bull. N.Y.*—Science Bulletin. Museum of the Brooklyn Institute of Arts and Sciences. New York.
- Sci. Bull. Pretoria.*—Science Bulletin. Dept. of Agriculture, Union of South Africa. Pretoria.
- Sci. Bull. Sydney.*—Science Bulletin. Dept. of Agriculture, New South Wales. Sydney.
- Sci. Gossip.*—Science Gossip. An Illustrated Monthly Record of Nature and Country-lore. London.
- Sci. med. bras.*—Ciencia medica; revista brasileira de medicina e ciencias affins. Rio de Janeiro.
- Sci. Mon. N.Y.*—Scientific Monthly. New York.
- Sci. Mon. Toledo.*—Scientific Monthly; an Illustrated Magazine Devoted to the Natural Sciences. Toledo, Ohio.
- Sci. News.*—Science News. Salem, Mass.
- Sci. Proc. R. Dublin Soc.*—Scientific Proceedings of the Royal Dublin Society.
- Sci. Prog. Lond.*—Science Progress. A Quarterly Review of Scientific Thought, Work and Affairs. London.

- Sci. Rec.*—Science Record; a Monthly Magazine, Illustrated. Boston.
- Sci. Rep. Tōhoku Univ.*—Science Reports of the Tōhoku Imp. University. (Series 4, Biology.) Sendai, Japan.
- Science.*—Science. Lancaster, Penn.
- Scol. Nat.*—Scottish Naturalist. Edinburgh.
- Séanc. Soc. franç. Phys.*—Séances de la Société française de physique. Paris.
- Sei-Ikw. Z.*—Sei Ikwai Zasshi. (Japanese with abstracts in foreign languages.) [Sei-Ikwai Med. J.] Tokyo.
- Sem. méd. B. Aires.*—Semana médica. Buenos Aires.
- Sem. méd. Paris.*—Semaine médicale. Paris.
- Sem. Okhoitnik.*—Semia Okhotnikov. [The Hunting Family.] Moskva.
- SitzBer. Akad. Wiss. Wien.*—Sitzungsberichte der Kais. Akademie der Wissenschaften in Wien. Math.-Naturwiss. Kl. Abt. I. Mineralogie, Krystallographie, Botanik, etc. Abt. III. Anatomie u. Physiologie.
- SitzBer. bayer. Akad. Wiss.*—Sitzungsberichte der Kgl. Bayerischen Akademie der Wissenschaften. Math.-Phys. Kl. München.
- SitzBer. böhm. Ges. Wiss.*—Sitzungsberichte der Kgl. Böhmisches Gesellschaft der Wissenschaften. Math.-Nat. Kl. Praha.
- SitzBer. Ges. ges. Naturw. Marburg.*—Sitzungsberichte der Gesellschaft zur Beförderung der Gesamten Naturwissenschaften zu Marburg.
- SitzBer. Ges. Morph. Physiol. Münch.*—Sitzungsberichte der Gesellschaft für Morphologie und Physiologie in München.
- SitzBer. Ges. naturf. Fr. Berl.*—Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin.
- SitzBer. Isis Bautzen.*—Sitzungsberichte u. Abhandlungen der Naturwissenschaftlichen Gesellschaft Isis zu Bautzen.
- SitzBer. Isis Dresden.*—Sitzungsberichte u. Abhandlungen der Naturwissenschaftlichen Gesellschaft Isis in Dresden.
- SitzBer. med.-naturw. Ges.*—Sitzungsberichte der Medizinisch-naturwissenschaftlichen Gesellschaft zu Jena. Suppl. to *Jena. Z. Naturw.*
- SitzBer. Naturf. Ges. Dorpat.*—Sitzungsberichte der Naturforscher-Gesellschaft zu Dorpat. Protokoly Obshchestva Estestvoispytatelei pri Imp. Jurjewskom Univ. Jurjew. (Title varies.) Dorpat, Esthonia.
- SitzBer. naturf. Ges. Leipzig.*—Sitzungsberichte der Naturforschenden Gesellschaft zu Leipzig.
- SitzBer. naturf. ges. Rostock.*—Sitzungsberichte und Abhandlungen der Naturforschenden Gesellschaft zu Rostock.
- SitzBer. naturh. Ver. preuss. Rheinl. Westf.*—Sitzungsberichte hrsg. vom Naturhistorischen Verein der Preussischen Rheinlande und Westfalens. Bonn.
- SitzBer. niederrhein. Ges. Nat.- u. Heilk.*—Sitzungsberichte der Niederrheinischen Gesellschaft für Natur- u. Heilkunde zu Bonn.
- SitzBer. phys.-med. Ges. Würzb.*—Sitzungsberichte der Physikalisch-medizinischen Gesellschaft zu Würzburg. Suppl. to *Verh. phys.-med. Ges. Würzb.*
- SitzBer. phys.-med. Soz. Erlangen.*—Sitzungsberichte der Physikalisch-medizinischen Sozietät in Erlangen.
- SitzBer. preuss. Akad. Wiss.*—Sitzungsberichte der Kgl. Preussischen Akademie der Wissenschaften. Berlin.
- Skand. Arch. Physiol.*—Skandinavisches Archiv für Physiologie. Leipzig.
- Skr. VidenskSelsk. Christ.*—Skifter udg. af Videnskabsselskabet i Christiania. Mat.-naturv. Kl. Oslo.
- Smithson. Contr. Knowl.*—Smithsonian Contributions to Knowledge. Washington.
- Smithson. Misc. Coll.*—Smithsonian Miscellaneous Collections. Washington.
- Spallanzani.*—Lo Spallanzani. Rivista di scienze mediche e naturali. Modena; Roma.
- Sperimentale.*—Sperimentale. Archivio di biologia normale e patologica. Firenze.

- Spolia Zeylan.*—*Spolia Zeylanica*. Colombo Museum. Colombo, Ceylon.
- Spraw. Tow. nauk. warsz.*—*Sprawozdania z Posiedzeń Towarzystwa Naukowego Warszawskiego*. (C. R. des séances de la Soc. scientifique de Varsovie.) Warszawa.
- Stettin. ent. Zig.*—*Stettiner entomologische Zeitung*. Stettin.
- Strahlentherapie.*—*Strahlentherapie*. Berlin; Wien.
- Stray Feathers.*—*\*Stray Feathers*. (1–12, 1872–88.) Calcutta.
- Stud. Anat. Univ. Manchr.*—*Studies in Anatomy from the Anatomical Department of Owens College (of the University of Manchester)*. Manchester.
- Stud. Biol. Johns Hopk. Univ.*—*Studies from the Biological Laboratory*. Johns Hopkins University. Baltimore.
- Stud. Biol. Lab. Owens Coll.*—*Studies from the Biological Laboratories of the Owens College*. Manchester.
- Stud. Intell. Obs.*—*The Student and Intellectual Observers of Science, Literature and Art*. London.
- Stud. Morph. Lab. Camb.*—*Studies from the Morphological Laboratory in the University of Cambridge*. London; Edinburgh.
- Stud. Mus. Zool. Univ. Coll. Dundee.*—*Studies from the Museum of Zoology in University College, Dundee*.
- Stud. Physiol. Lab. Camb.*—*Studies from the Physiological Laboratory in the University of Cambridge*. Cambridge.
- Studi sassaresi.*—*Studi sassaresi dell'Istituto fisiologico della R. Università di Sassari*.
- Sddeuts. Bl. Geflugelz.*—*\*Sddeutsche Blatter fur Geflugelzucht*. (1–18, 1876–94?) Munchen.
- Surg. Gynec. Obstet.*—*Surgery, Gynecology and Obstetrics*. Chicago.
- Svensk. Vetensk. Akad. Handl.*—*Kongl. Svenska vetenskapsakademiens handlingar*. (1780–1812, as *Nya handlingar*, etc.) Uppsala; Stockholm.
- Swiss Cross.*—*Swiss Cross*, a Monthly Magazine of Popular Science. Agassiz Association. New York.
- Tagebl. deuts. Naturf. Aerzte.*—*Tageblatt der Versammlung Deutscher Naturforscher und Aerzte*.
- Tagesber. Fortschr. Nat. Heilk.*—*Tagesberichte uber die Fortschritte der Natur und Heilkunde*. (Continues *N. Notiz. Nat. Heilk.*) Weimar.
- Termész. Füzl.*—*Természetráji Füzetek*. A Magyar Tudományos Akadémia Segélyével Kiadja a Magyar Nemzeti Múzeum szerkeszti M. Sándor. (Cont'd as: *Ann. hist.-nat. Mus. hung.*) Budapest.
- Természett. Kozl.*—*Természettudományi Kozlony*. [Journal of Natural Sciences.] Budapest.
- Terre vaudoise.*—*Terre vaudoise*. Journal agricole. Lausanne.
- Teysmannia.*—*Teysmannia*. Batavia, Java.
- Thiergarten.*—*Thiergarten*. Stuttgart.
- Tierwelt.*—*\*Tierwelt*. Schweizerischer Geflugelzuchtverein. (1, 1890+) Aarau, Switzerland.
- Tijdschr. Diergeneesk.*—*Tijdschrift voor Diergeneeskunde*. (Title varies.) Utrecht; Amsterdam.
- Tijdschr. ned. dierk. Ver.*—*Tijdschrift der Nederlandsche Dierkundige Vereeniging*. Leiden.
- Timehri.*—*Timehri*: Being the Journal of the R. Agricultural and Commercial Society of British Guiana. Demerara.
- Tōhoku Ig. Z.*—*Tōhoku Igaku Zasshi*. [Tōhoku Medical Society.] Sendai, Japan.
- Tokyo Ig. Kw. Z.*—*Tokyo Igaku Kwai Zasshi*. (Japanese with abstracts in foreign languages.) [Mitteilungen der Medizinischen Gesellschaft zu Tokyo.]
- Tokyo Iji-Shinshi.*—*The Tokyo Iji-Shinshi*. (The Tokyo Medical Journal.) Tokyo.

- Tori*.—'Tori, The Aves [now simply, Tori.] Bull. of the Ornithological Society of Japan. (1, 1915+) Tokyo.
- Trab. Lab. Invest. biol. Univ. Madr.*—Trabajos del Laboratorio de investigaciones biológicas de la Universidad de Madrid. Continues *Rev. trimest. microg.* See *Trav. Lab. Recher. biol. Univ. Madr.*
- Trab. Mus. Cienc. nat. Madr.*—Trabajos del Museo de ciencias naturales. Instituto nacional de ciencias físico-naturales. a. Serie botánica. b. Serie geológica. c. Serie zoológica. Madrid.
- Trans. Acad. Med. Ire.*—Transactions of the R. Academy of Medicine in Ireland. Dublin.
- Trans. Amer. Assoc. Gen.-Urin. Surg.*—Transactions of the American Association of Genito-Urinary Surgeons. New York.
- Trans. Amer. Micr. Soc.*—Transactions of the American Microscopical Society. (Preceded by *Proc. Am. Soc. Micr.* Title varies.) Lancaster, Penn.
- Trans. Amer. Phil. Soc.*—Transactions of the American Philosophical Society. Philadelphia.
- Trans. Assoc. Amer. Physic.*—Transactions of the Association of American Physicians. Philadelphia.
- Trans. Bot. Soc. Edinb.*—Transactions and Proceedings of the Botanical Society of Edinburgh.
- Trans. Caradoc F. Cl.*—Transactions. Caradoc and Severn Valley Field Club. Shrewsbury, England.
- Trans. Cardiff Nat. Soc.*—Transactions of the Cardiff Naturalists' Society. Cardiff.
- Trans. Conn. Acad. Arts Sci.*—Transactions of the Connecticut Academy of Arts and Sciences. New Haven.
- Trans. Dumfr. Gall. Nat. Hist. Soc.*—Transactions and Journal of the Proceedings of the Dumfriesshire and Galloway Natural History and Antiquarian Society. Edinburgh.
- Trans. Eastbourne Nat. Hist. Soc.*—Transactions and Journal of the Eastbourne Natural History Society. Eastbourne, England.
- Trans. Edinb. Field Nat. Soc.*—Transactions of the Edinburgh Field Naturalists' and Microscopical Society. Edinburgh.
- Trans. Edinb. Geol. Soc.*—Transactions of the Edinburgh Geological Society. Edinburgh.
- Trans. Ent. Soc. Lond.*—Transactions of the Entomological Society of London.
- Trans. Epidem. Soc. Lond.*—Transactions of the Epidemiological Society. London.
- Trans. Highl. Agric. Soc. Scot.*—Transactions of the Highland and Agricultural Society of Scotland. Edinburgh.
- Trans. Kans. Acad. Sci.*—Transactions of the Kansas Academy of Science. Topeka.
- Trans. Lab. Exp. Biol. Zoopark Moscow.*—Transactions of the Laboratory of Experimental Biology of the Zoopark of Moscow. Trudy Laboratorii Eksperimentalnoi Biologii Moskovskogo Zooparka.
- Trans. Leeds Nat. Cl.*—Transactions of the Leeds Naturalists' Club and Scientific Association.
- Trans. Leicester Lit. Phil. Soc.*—Transactions of the Leicester Literary and Philosophical Society. Leicester.
- Trans. Linn. Soc. Lond.*—Transactions of the Linnean Society of London. (Zoology). London.
- Trans. Linn. Soc. N.Y.*—Transactions of the Linnaean Society of New York.
- Trans. Lond. Nat. Hist. Soc.*—Transactions of the London Natural History Society. Cont'd as: *Naturalist*.
- Trans. Med. Soc. Lond.*—Transactions of the Medical Society of London.
- Trans. Med. Soc. St. N.Y.*—Transactions of the Medical Society of the State of New York. Albany.

- Trans. Med.-Chir. Soc. Glasgow.*—Transactions of the Medico-Chirurgical Society of Glasgow.
- Trans. N.Y. Acad. Sci.*—Transactions of the New York Academy of Sciences. New York.
- Trans. N.Z. Inst.*—Transactions and Proceedings of the New Zealand Institute. Wellington.
- Trans. Nat. Hist. Soc. Glasgow.*—Transactions of the Natural History Society of Glasgow. Cont'd as: *Glasg. Nat.*
- Trans. Nat. Hist. Soc. Northumb. Newc.*—Transactions of the Natural History Society of Northumberland, Durham, and Newcastle-upon-Tyne. London.
- Trans. New Hamps. Med. Soc.*—Transactions of the New Hampshire Medical Society. Concord.
- Trans. Norfolk Norw. Nat. Soc.*—Transactions of the Norfolk and Norwich Naturalists' Society. Norwich.
- Trans. Obstet. Soc. Lond.*—Transactions of the Obstetrical Society. London.
- Trans. Ophth. Soc. U. K.*—Transactions of the Ophthalmological Society of the United Kingdom. London.
- Trans. Path. Soc. Lond.*—Transactions of the Pathological Society of London.
- Trans. R. Irish Acad.*—Transactions of the Royal Irish Academy. Dublin.
- Trans. R. Micr. Soc.*—Transactions of the Royal Microscopical Society. (Title varies. See *Mon. Micr. J.*) London.
- Trans. R. Soc. Canad.*—Transactions of the Royal Society of Canada. Ottawa.
- Trans. R. Soc. Edinb.*—Transactions of the Royal Society of Edinburgh. Edinburgh.
- Trans. R. Soc. Mauritius.*—Transactions of the Royal Society of Arts and Sciences of Mauritius.
- Trans. R. Soc. S. Afr.*—Transactions of the Royal Society of South Africa. Cape Town.
- Trans. R. Soc. S. Aust.*—Transactions of the Royal Society of South Australia. Adelaide.
- Trans. S. Afr. Phil. Soc.*—Transactions of the South African Philosophical Society. (Cont'd as: *Trans. R. Soc. S. Afr.*) Cape Town.
- Trans. Stirling Nat. Hist. Soc.*—Transactions of the Stirling Natural History and Archaeological Society. Stirling, Scotland.
- Trans. Tex. Acad. Sci.*—Transactions of the Texas Academy of Science. Austin.
- Trans. Woolhope Nat. F. Cl.*—Transactions of the Woolhope Naturalists' Field Club. Hereford.
- Trans. Worcestersh. Nat. Cl.*—Transactions of the Worcestershire Naturalists' Club. Worcester.
- Trans. Zool. Soc. Lond.*—Transactions of the Zoological Society of London.
- Trav. Acad. nat. Reims.*—Travaux de l'Académie nationale de Reims.
- Trav. Lab. Recher. biol. Univ. Madr.*—Travaux du Laboratoire de recherches biologiques de l'Université de Madrid. (Also *Trab. Lab. Invest. biol. Univ. Madr. Continues Rev. trimest. microg.*) Madrid.
- Trar. Lab. Zool. Wimereux.*—Travaux du Laboratoire de zoologie maritime de Wimereux-Ambleteuse. (Title varies.) Paris.
- Trav. sci. Univ. Rennes.*—Travaux scientifiques de l'Université de Rennes.
- Trav. Soc. Nat. Kharkow.*—Travaux de la Société des naturalistes à l'Univ. de Kharkow. Trudy Obshchestva Estestvoispytatelei pri Imp. Kharkovskom Universitetie. Kharkov.
- Trav. Soc. Nat. St. Pétersb.*—Travaux de la Société Imp. des naturalistes de St.-Pétersbourg. Trudy Leningradskogo (S.-Petersb.) Obshchestva Estestvoispytatelei. (See *Prot. Spb. Obshch. Est.*) Leningrad.
- Trav. Soc. Nat. Varsovie.*—Travaux de la Société des naturalistes de Varsovie. Trudy Varshavskago Obshchestva Estestvoispytatelei. Warszawa.

- Trav. Soc. Sci. méd. Moselle.*—Exposé des travaux de la Société des sciences médicales du département de la Moselle. Metz.
- Trav. Sta. physiol. Coll. France.*—Travaux de la Station physiologique de Boulogne-sur-Seine, annexe du Collège de France.
- Trib. méd. Paris.*—Tribune médicale. Paris.
- Trib. med. Rio de J.*—Tribuna medica. Rio de Janeiro.
- Trud. gos. Inst. eksper. Vet.*—Trudy Gosudarstvennogo Instituta Eksperimental'noi Veterinarii. [Transactions of the Government Institute of Experimental Veterinary Science.] Moskva.
- Trud. Lies. opyt. Diel.*—Trudy po Liesnomu Opytnomu Dielu v Rossii. [Transactions of Experimental Forestry in Russia.] Leningrad.
- Trud. Obshch. Est. Kazan.*—Trudy Obshchestva Estestvoispytatelei pri Imp. Kazanskom Universitete. [Transactions of the Society of Naturalists of the University of Kazan.] Kazan.
- Trud. Obshch. Ispyt. Prir. Kharkov.*—Trudy Obshchestva Ispytatelei Prirody, pri Imp. Kharkovskom Universitete. (Also *Trav. Soc. Nat. Kharkow.*) Kharkov.
- Trud. Siezd. russk. Est.*—Trudy Siezda Russkikh Estestvoispytatelei. [Transactions of the Congress of Russian Naturalists.]
- Trud. varsh. Obshch. Biol.*—Trudy Varshavskago Obshchestva Estestvoispytatelei. Protokoly Otdielenie Biologii. Warszawa.
- Trud. varsh. Obshch. Est.*—Trudy Varshavskago Obshchestva Estestvoispytatelei. (Also *Trav. Soc. Nat. Varsovie.*) Warszawa.
- Tubercolosi Pavia.*—Tubercolosi. Giornale italiano di studi e di lotta sociale antitubercolare. Pavia; Milano.
- Tuberk. Arb. Berl.*—Tuberkulosearbeiten aus dem Kais. Gesundheitsamte. Berlin.
- Tufts Coll. Stud.*—Tufts College Studies. Scientific Series. Medford, Mass.
- U. S. Comm. Fish. Rep.*—United States Commission of Fish and Fisheries. Report of the Commissioner. Washington.
- Uch. Zap. kazan. Vet. Inst.*—Ucheniya Zapiski Imp. Kazanskago Veterinarnago Instituta. [Scientific Records of the Kazan Veterinary Institute.] Kazan.
- Uch. Zap. mosk. Univ.*—Ucheniya Zapiski Imp. Moskovskago Universiteta. [Memoirs of the Imperial University of Moscow.] Moskva.
- Ufficiale.*—Ufficiale sanitario. Napoli.
- Ugeskr. Laeg.*—Ugeskrift for Laeger. Kjøbenhavn.
- Umschau.*—Umschau. Uebersicht über die Fortschritte u. Bewegungen auf d. Gesamtgeb. d. Wissenschaft, Technik, Literatur u. Kunst. Frankfurt am Main; Leipzig.
- Ungar. Arch. Med. Wiesbaden.*—Ungarisches Archiv für Medizin. Wiesbaden.
- Univ. Calif. Pub. Geol.*—University of California Publications in Geology. Berkeley.
- Univ. Calif. Pub. Physiol.*—University of California Publications in Physiology. Berkeley.
- Univ. Calif. Pub. Zool.*—University of California Publications in Zoology. Berkeley.
- Univ. Chron. Calif.*—University Chronicle. University of California. Berkeley.
- Univ. Cincinnati. Bull.*—University of Cincinnati Bulletin. Cincinnati.
- Univ. Toronto Stud. Physiol.*—University of Toronto Studies. Physiological Series. Toronto.
- Univ. Toronto Stud. Psychol.*—University of Toronto Studies. Psychological Series. Toronto.
- Untersuch. Naturl. Mensch. Tiere.*—Untersuchungen zur Naturlehre des Menschen und der Tiere. Giessen.
- Untersuch. physiol. Inst. Heidelberg.*—Untersuchungen des Physiologischen Instituts in Heidelberg.
- Uppsala LäkFören. Förh.*—Uppsala läkareförenings förhandlingar. Uppsala.
- Uppsala Univ. Årsskr.*—Uppsala universitets årsskrift. Uppsala.

- Uragus*.—\*Uragus. Zhurnal Sibirskogo Ornitologicheskogo Obshchestva. Journal of the Siberian Ornithological Society. (1, 1926+) Tomsk, Siberia.
- Util. Poult. J.*—\*Utility Poultry Journal. Newport, Shrop.
- Varshar. univ. Izv.*—Varshavskiaa Universitetskiia Izviestia. [Warsaw University Communications.] Warszawa.
- Verh. Akad. Wet. Amst.*—Verhandelingen der Konink. Akademie van Wetenschappen. (a) Natuurhist. geolog. en med. Wetenschappen. (b) Wis- en natuurkund. Wetenschappen. Amsterdam.
- Verh. anat. Ges. Jena.*—Verhandlungen der Anatomischen Gesellschaft. (Issued with *Anat. Anz.*, Erg. H.) Jena.
- Verh. berl. Ges. Anthropol.*—Verhandlungen der Berliner Gesellschaft für Anthropologie, Ethnologie und Urgeschichte. (Issued with *Z. f. Ethnologie*.) Berlin.
- Verh. deuts. dermat. Ges.*—Verhandlungen der Deutschen Dermatologischen Gesellschaft. Breslau; Berlin.
- Verh. deuts. path. Ges.*—Verhandlungen der Deutschen Pathologischen Gesellschaft. Jena.
- Verh. deuts. zool. Ges.*—Verhandlungen der Deutschen Zoologischen Gesellschaft. Berlin; Leipzig.
- Verh. Ges. deuts. Naturf. Aerzte.*—Verhandlungen der Gesellschaft Deutscher Naturforscher und Aerzte. Leipzig.
- Verh. Ges. Fr. Naturw. Gera.*—Verhandlungen der Gesellschaft von Freunden der Naturwissenschaften. Gera.
- Verh. Ges. Kinderhik.*—Verhandlungen der Versammlung der Gesellschaft für Kinderheilkunde. Wiesbaden.
- Verh. holl. Maat. Wet. Haarlem.*—Verhandelingen uitgegeeven door de Hollandsche Maatschappye der Wetenschappen te Haarlem.
- Verh. jap. path. Ges.*—Verhandlungen der Japanischen Pathologischen Gesellschaft. Tokyo.
- Verh. naturf. Ges. Basel.*—Verhandlungen der Naturforschenden Gesellschaft in Basel.
- Verh. naturf. Ver. Brünn.*—Verhandlungen des Naturforschenden Vereins in Brünn.
- Verh. naturh. Ver. preuss. Rheinl.*—Verhandlungen des Naturhistorischen Vereins der Preussischen Rheinlande, Westfalens u. des Reg.-Bez. Osnabrück. Bonn.
- Verh. naturh.-med. Ver. Heidelberg.*—Verhandlungen des Naturhistorisch-medizinischen Vereins zu Heidelberg.
- Verh. orn. Ges. Bayern.*—\*Verhandlungen der Ornithologischen Gesellschaft in Bayern. (1-3, 1897-1902, as: *Jber. orn. Ver. Münch.*.) München.
- Verh. phys.-med. Ges. Würzb.*—Verhandlungen der Physikalisch-medizinischen Gesellschaft zu Würzburg.
- Verh. proefonderv. Wijsbeg.*—Verhandelingen van het Bataafsche Genootschap der Proefondervindelijke Wijsbegeerte te Rotterdam. Cont'd as: *Nieuwe Verh. proefonderv. Wijsbeg.*
- Verh. prov. utrecht. Genoot.*—Verhandelingen van het Prov. Utrechtsch Genootschap van Kunsten en Wetenschappen. Utrecht.
- Verh. schweiz. naturf. Ges.*—Verhandlungen der Schweizerischen Naturforschenden Gesellschaft. Genève, etc.
- Verh. siebenbürg. Ver. Naturw.*—Verhandlungen u. Mitteilungen des Siebenbürgischen Vereins für Naturwissenschaften in Hermannstadt.
- Verh. Ver. GewFleiss. Berl.*—Verhandlungen des Vereins zur Beförderung des Gewerbefleisses. (Cont'd as: *Gewerbefleiss.*.) Berlin.
- Verh. zool.-bot. Ges. Wien.*—Verhandlungen der K. K. Zoologisch-botanischen Gesellschaft in Wien. 1851-59, as *Verh. d. K. K. Zool.-bot. Verein*, etc.
- Veröff. beamt. Tierärz. Preuss.*—Veröffentlichungen aus den Jahresveterinärberichten der Beamten Tierärzte Preussens. Berlin.

- Versl. buit. wet. Verg. ned. dierk. Ver.*—Verslag van de buitengewone wetenschappelijke Vergadering der Nederlandsche Dierkundige Vereeniging. (Suppl. to *Tijdschr. ned. dierk. Ver.*) Leiden.
- Versl. gewone Vergad. Akad. Amst.*—Verslag van de gewone Vergaderingen der Wis- en natuurkundige Afdeeling. Koninklijke Akademie van Wetenschappen te Amsterdam.
- Versl. Med. Akad. Wet. Amst.*—Verslagen en Mededeelingen der Koninklijke Akademie van Wetenschappen. Amsterdam.
- Versl. Ned. Gasth. Ooglijd.*—Verslag (Jaarlijksch) betrekkelijk de Verpleging en't On- derwijs in het Nederlandsch Gasthuis voor Ooglijders. Utrecht.
- Vesmír.*—Vesmír. Praha.
- Vet. J.*—Veterinary Journal. London.
- Vet. Obozr. Mosk.*—Veterinarnoe Obozrenie. (Revue vétérinaire.) (Moskovskoe Obshchestvo Veterinarnykh Vrachel.) [Veterinary Review; Journal Issued by the Moscow Society of Veterinary Physicians.] Moskva.
- Vet. Rec.*—Veterinary Record. London.
- Vet. Vrach.*—Veterinarnyi Vrach. Leningrad.
- Veterinarian Lond.*—Veterinarian. London.
- Vict. Nat.*—The Victorian Naturalist. Melbourne.
- Vidensk. Medd. naturh. Foren. Kbh.*—Videnskabelige Meddelelser fra den Naturhis- toriske Forening i Kjøbenhavn.
- Viestnik Estest. Obshch. Spb.*—Viestnik Estestvoznaniia Izdanie S.-Petersbourgskago Obshchestva Estestvoispytatelei. Revue des sciences naturelles publiée par la Société des naturalistes à St. Pétersbourg.
- Viestnik Obshch. Vet. Spb.*—Viestnik Obshchestvennoi Veterinari. (Obshchestva Veterinarnykh Vrachel v. S.-Peterburg.) [Courier of Public Veterinary Medi- cine. Issued by the Society of Veterinary Physicians of St. Petersburg.]
- Virchows Arch.*—See *Arch. path. Anat. Physiol.*
- Vjschr. gerichtl. Med.*—Vierteljahrsschrift für gerichtliche Medizin und öffentli- ches Sanitätswesen. Berlin.
- Vjschr. naturf. Ges. Zürich.*—Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich.
- Vjschr. prakt. Hlk. Prag.*—Vierteljahrsschrift für die praktische Heilkunde hrsg. von der Medicinischen Fakultätin. Praha.
- Voen.-med. Zh.*—Voenno-meditsinskiĭ Zhurnal. Leningrad.
- Vogelzug.*—\*Der Vogelzug. (1, 1930+) Berlin.
- Voigts Magazin.*—See *Mag. neu. Naturk.*
- Vrach. Dielo.*—Vrachebnoe Dielo; Nauchnyi Meditsinskiĭ Zhurnal. [Medical Jour- nal Devoted to Science and Medicine.] Kharkov.
- W. Amer. Sci.*—West American Scientist. San Diego, Calif.
- W. Ind. Bull.*—West Indian Bulletin. Imp. Dept. of Agriculture. Barbados.
- W. Ool.*—\*Western Oologist. (No. 1-8, 1878|| No. 1 as Oologist.) Milwaukee.
- W. Orn.*—\*Western Ornithologist. (1-5, 1894-1900||) Salem, Iowa.
- Waidmannsheil.*—Waidmannsheil. Illustrierte Zeitschrift für Jagd, Fischerei, Schützen- u. Hundewesen. Klagenfurt, Austria.
- Wash. Univ. Stud. St. Louis.*—Washington University Studies. Scientific Series. St. Louis.
- Wbl. LandForstHausw.*—Wochenblatt der Land-, Forst- und Hauswirtschaft für den Bürger und Landmann. Praha.
- Werk. Genoot. Nat., Genees- en Heelk. Amst.*—Werken van het Genootschap ter Ber- vordering der Natuur-, Genees- en Heelkunde. Amsterdam.
- Westerm. Mhfte.*—Westermanns Monatshefte; illustrierte deutsche Zeitschrift für das geistige Leben der Gegenwart. Braunschweig.
- Westminster Rev.*—Westminster Review. London.



- Wetter.—Wetter. (Lindenberg, K. Pr. Aeronautisches Observatorium. Subtitle varies.) Berlin; Braunschweig.
- Wien. ent. Ztg.—Wiener entomologische Zeitung. Wien.
- Wien. klin. Wschr.—Wiener klinische Wochenschrift. Wien.
- Wien. med. Wschr.—Wiener medizinische Wochenschrift. Wien.
- Wild Life.—Wild Life. London.
- Wilson Bull.—\*Wilson Bulletin (Wilson Ornithological Club). (1, 1889+ 1-2 as Orn. Ool. Semi-annual, Pittsfield, Mass.; 3 as The Semi-Annual, Danbury, Conn.; 4 as Wilson Quarterly; 5 as J. Wilson Orn. Club.) Oberlin, Ohio; Sioux City, Iowa.
- Wiss. Ergebn. "Valdivia."—Wissenschaftliche Ergebnisse der Deutschen Tiefsee-Expedition auf dem Dampfer "Valdivia," 1898-1899. Jena.
- Wschr. Aquar.- u. Terrarienk.—Wochenschrift für Aquarien- u. Terrarienkunde. Braunschweig.
- Wschr. Tierhkl. Viehz.—Wochenschrift für Tierheilkunde u. Viehzucht. München.
- Wszechświat.—Wszechświat. Warszawa.
- Würzb. med. Z.—Würzburger medicinische Zeitschrift. Würzburg.
- Würzb. naturw. Z.—Würzburger naturwissenschaftliche Zeitschrift. Würzburg.
- Yearb. Carnegie Instn.—Yearbook of the Carnegie Institution of Washington.
- Yearb. Pub. Mus. Milwaukee—Yearbook of the Public Museum of the City of Milwaukee.
- Yearb. U. S. Dept. Agric.—Yearbook of the United States Department of Agriculture. Washington.
- Z. allg. Physiol.—Zeitschrift für allgemeine Physiologie. Jena.
- Z. Anat. Entwgesch.—Zeitschrift für Anatomie und Entwicklungsgeschichte. (1875-77. Cont'd as: Arch. Anat. Physiol., Anat. Abt. See Z. ges. Anat., Abt. 1.) Leipzig.
- Z. angew. Ent.—Zeitschrift für angewandte Entomologie. Berlin.
- Z. angew. Mikr.—Zeitschrift für angewandte Mikroskopie und klinische Chemie. Leipzig.
- Z. Augenhkl.—Zeitschrift für Augenheilkunde. Berlin.
- Z. Biol.—Zeitschrift für Biologie. München; Berlin.
- Z. biol. Tech. Meth.—Zeitschrift für biologische Technik und Methodik. Strassburg.
- Z. Ent.—Zeitschrift für Entomologie. (Cont'd as: Jahresheft des Vereins für Schlesische Insektenkunde zu Breslau.) Breslau.
- Z. Fleisch- u. Milchhyg.—Zeitschrift für Fleisch- u. Milchhygiene. Berlin.
- Z. Flugtech.—Zeitschrift für Flugtechnik und Motorluftschiffahrt. München; Berlin.
- Z. Forst- u. Jagdw.—Zeitschrift für Forst- u. Jagdwesen. Berlin.
- Z. Geflög. Singvögelz.—\*Zeitschrift für Geflügel- und Singvögelzucht. Hannover.
- Z. ges. Anat.—Zeitschrift für die gesamte Anatomie. (Abt. 1. Z. Anat. Entwgesch. 1-59 as Anat. Hefte, 1 Abt. Abt. 2. Zeitschrift für Konstitutionslehre. 1-7 as Z. angewandte Anat. u. Konstitutionslehre. Abt. 3. Ergebn. Anat. Entwgesch. 1-22 as Anat. Hefte, Abt. 2.) München; Berlin.
- Z. ges. exp. Med.—Zeitschrift für die gesamte experimentelle Medizin. Berlin.
- Z. ges. Naturw.—Zeitschrift für die gesamten Naturwissenschaften. (Cont'd after 1881 as: Z. Naturw.) Halle; etc.
- Z. ges. Orn.—\*Zeitschrift für die gesamte Ornithologie. (1-4, 1884-88||) Budapest.
- Z. Heilk.—Zeitschrift für Heilkunde. Praha; Wien; Berlin.
- Z. Hyg.—Zeitschrift für Hygiene. Leipzig.
- Z. Hyg. Infekt Kr.—Zeitschrift für Hygiene und Infektionskrankheiten. Leipzig.
- Z. ImmunForsch.—Zeitschrift für Immunitätsforschung und experimentelle Therapie. Jena.

- Z. indukt. Abstamm.- u. VererbLehre.*—Zeitschrift für induktive Abstammungs- und Vererbungslehre. Berlin; Leipzig.
- Z. InfektKr.*—Zeitschrift für Infektionskrankheiten, parasitäre Krankheiten und Hygiene der Haustiere. Berlin.
- Z. klin. Med.*—Zeitschrift für klinische Medizin. Berlin.
- Z. Krebsforsch.*—Zeitschrift für Krebsforschung. Berlin.
- Z. landw. Vchsw. Oest.*—Zeitschrift für das landwirtschaftliche Versuchswesen in Oesterreich. Wien.
- Z. Luftsch. Phys. Atmos.*—Zeitschrift für Luftschiffahrt und Physik der Atmosphäre. (1-7 as *Z. des Deutschen Vereins zur Förderung der Luftschiffahrt*. 8-15 as *Z. f. Luftschiffahrt*.) Berlin.
- Z. MedBeamnt.*—Zeitschrift für Medizinalbeamte. Berlin.
- Z. Mikr.*—Zeitschrift für Mikroskopie. Organ der Gesellschaft für Mikroskopie zu Berlin. Berlin.
- Z. mikr.-anat. Forsch.*—Zeitschrift für mikroskopisch-anatomische Forschung. Leipzig.
- Z. Morph. Anthropol.*—Zeitschrift für Morphologie und Anthropologie. Stuttgart.
- Z. Morph. Oekol. Tiere.*—Zeitschrift für Morphologie und Oekologie der Tiere. (Abt. A of *Z. wiss. Biol.*) Berlin.
- Z. Naturw.*—Zeitschrift für Naturwissenschaften. Leipzig.
- Z. Ohrenhllk.*—Zeitschrift für Ohrenheilkunde. München.
- Z. Ool. Orn.*—\*Zeitschrift für Oologie und Ornithologie. (1, 1891+) Berlin.
- Z. Ophth.*—Zeitschrift für die Ophthalmologie. Dresden; Heidelberg; Leipzig.
- Z. ophth. Opt.*—Zeitschrift für ophthalmologische Optik m. Einschl. der Instrumentenkunde. Berlin.
- Z. organ. Phys.*—Zeitschrift für die organische Physik (Heusinger). Eisenach.
- Z. Orn.*—\*Zeitschrift für Ornithologie und praktische Geflügelzucht. (1877-1911|?) Cont'd as: *Pommersch. Geflügelz.* 1910-11 as *Z. f. praktische Geflügelzucht und Vogelkunde*.) Stettin.
- Z. Phys.*—Zeitschrift für Physik. Braunschweig.
- Z. physiol. Chem. (Hoppe-Seyl.)*—Hoppe-Seyler's Zeitschrift für physiologische Chemie. Strassburg.
- Z. Physiol. Heidelberg.*—Zeitschrift für Physiologie. Heidelberg.
- Z. Psychol.*—Zeitschrift für Psychologie und Physiologie der Sinnesorgane. Abt. II. Zeitschrift für Sinnesphysiologie. Leipzig.
- Z. rat. Med.*—Zeitschrift für rationelle Medicin. Zürich; Heidelberg; Leipzig.
- Z. Tiermed.*—Zeitschrift für Tiermedizin. Jena.
- Z. Untersuch. Nahr.- u. Genussm.*—Zeitschrift für Untersuchung der Nahrungs- u. Genussmittel. Berlin.
- Z. vergl. Physiol.*—Zeitschrift für vergleichende Physiologie. (Abt. C of *Z. wiss. Biol.*) Berlin.
- Z. wiss. Biol.*—Zeitschrift für wissenschaftliche Biologie. Berlin.
- Z. wiss. Mikr.*—Zeitschrift für wissenschaftliche Mikroskopie und für mikroskopische Technik. Leipzig.
- Z. wiss. Zool.*—Zeitschrift für wissenschaftliche Zoologie. Leipzig.
- Z. Zellforsch. mikr. anat.*—Zeitschrift für Zellforschung und mikroskopische Anatomie. (1, 1923 as *Z. f. Zellen- und Gewebelehre*. Abt. B of *Z. wiss. Biol.*) Berlin.
- Zap. Obshch. sel. Khoz. Y.-Ross.*—Zapiski Imp. Obshchestva Selskago Khoziaistva Iuzhnoi Rossii. [Memoirs of the Imperial Society of Agronomics of Russia.] Odessa.
- Zap. uralsk. Obshch. Est.*—Zapiski Uralskago Obshchestva Estestvoznania. (See *Bull. Soc. oual. Sci. nat.*) Ekaterinburg.
- Zbl. allg. GesundhPfl.*—Zentralblatt für allgemeine Gesundheitspflege. Bonn.

- Zbl. allg. Path. Anat.*—Zentralblatt für allgemeine Pathologie u. pathologische Anatomie. Deutsche Pathologische Gesellschaft. Jena.
- Zbl. Bakt.*—Zentralblatt für Bakteriologie, Parasitenkunde u. Infektionskrankheiten. Abt. 1. Medizinisch-hygienische Bakt. und tierische Parasitenkunde. Originale u. Referate. Abt. 2. Allgemeine landwirtschaftlich-technologische Bakteriologie und Mykologie, Protozoologie und Pflanzenschutz, etc. Jena.
- Zbl. ges. Forstw.*—Zentralblatt für das gesamte Forstwesen. Wien.
- Zbl. Gynäk.*—Zentralblatt für Gynäkologie. Leipzig.
- Zbl. Haut- u. Geschlkr.*—Zentralblatt für Haut- u. Geschlechtskrankheiten. Berlin.
- Zbl. med. Wiss.*—Zentralblatt für die medizinischen Wissenschaften. Berlin.
- Zbl. Physiol.*—Zentralblatt für Physiologie. Leipzig; Wien.
- Zh. Min. narod.*—Zhurnal Ministerstva Narodnago Prosvieshcheniia. [Journal du Ministère de l'instruction publique.] Leningrad.
- Zh. Neuropat.*—Zhurnal Nevropatologii i Psikhiiatrii imeni S. S. Korsakova. Moskva.
- Zh. russk. Obshch. Okhran. narod. Zdrav.*—Zhurnal Russkago Obshchestva Okhraneniia Narodnago Zdravii. (J. de la Société russe d'hygiène publique.) Leningrad.
- Zoe.*—Zoe; a Biological Journal. San Francisco.
- Zool. Anz.*—Zoologischer Anzeiger. Deutsche Zoologische Gesellschaft. Leipzig.
- Zool. Beob.*—Zoologischer Beobachter. (Cont'd as: *Naturw. Beob.*) Frankfurt am Main.
- Zool. Bull.*—Zoological Bulletin. (Title varies.) Harrisburg, Penn.
- Zool. Gart.*—Zoologischer Garten. Zeitschrift für Beobachtung, Pflege und Zucht der Thiere. (Cont'd as: *Zool. Beob.*) Frankfurt am Main.
- Zool. J.*—Zoological Journal. London.
- Zool. Jahrb.*—Zoologische Jahrbücher. (1-2 published with subtitle: Z. [1888+, Abtheilung] f. Systematik, Geographie und Biologie der Thiere. Abt. 1. Systematik [1926+, Oekologie], Geographie und Biologie. Abt. 2. Anatomie und Ontogenie. Abt. 3. Allgemeine Zoologie und Physiologie der Tiere. Supplement-band, 1886+) Jena.
- Zoöl. Meded.*—Zoölogische Mededeelingen. Rijksmuseum van Natuurlijke Historie te Leiden.
- Zool. Res Roma.*—Zoologicae Res. Collectio brevium dissertationum novarumque investigationum ad universas zoologicas doctrinas spectantium quae periodice eduntur sub directione Petri De Vescovi. Romae.
- Zool. Zbl.*—Zoologisches Zentralblatt. Leipzig.
- Zoologica N.Y.*—Zoologica. Scientific Contributions of the New York Zoological Society. New York.
- Zoologica Stuttgart.*—Zoologica. Originalabhandlungen. Hrsg. von C. Chun. Stuttgart.
- Zoologist.*—Zoologist. A Monthly Journal of Natural History. London.
- Zig. Zool. Zoot.*—Zeitung für Zoologie, Zootomie, und Palaeozoologie. Leipzig.

## LIST OF PERIODICALS NOT CITED BUT RELATING TO BIRDS

- Allgemeine deutsche Blätter für Kanarienzucht. Leipzig; Volkmarisdorf.  
 Allgemeine Geflügel-Zeitung. Wien. 1-2, 1883-84|| Continues Geflügelhof  
 und oestereichisch-ungarische Blätter für Geflügel- und Kaninchenzucht.  
 Allgemeine Kanarienzeitung. Altenburg.  
 América avícola. Santiago de Chile.  
 American Bird House Journal. Waynesburg, Penn.  
 American Ornithologist and Exchange. Paw Paw, Ill. 1, 1891||  
 American Osprey. Ashland, Ky. 1, 1885||  
 American Osprey. Plymouth, Conn. 1, 1890||  
 American Pigeon Journal. Warrenton, Mo. 1, 1912 +  
 American Pigeon Keeper. Peoria, Ill; Chicago. 1, 1898 +  
 American Poultry Advocate. Syracuse, N.Y. 1-?, 1892-1925|| Merged into  
 American Poultry Journal. Proceedings of American Poultry Association  
 included since 1917.  
 American Poultry Association News. Fort Wayne, Indiana. 1, 1925 +  
 American Poultry Fancier and Stockkeeper. Boston. 1-75, 1888-1925|| 1888-  
 1913 as American Stock-keeper; 1913-16 as American Fancier and Stock-  
 keeper.  
 American Poultry Journal. Chicago. 1, 1874 +  
 American Poultry Raiser and Live Stock Journal. Philadelphia. 1885-1908?||  
 American Poultry World. Buffalo, N.Y. 1-8, 1909-17||  
 American Poultry Yard. Hartford, Conn. 1-7, 1878-88||  
 American Poultry Yearbook. Chicago. 1-3, 1913-15.  
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 American Poultryman. Lincoln, Neb. 1-20, 1894-1913|| 1-15, 1894-1910, as  
 Poultry Gazette. Merged into Progressive Poultry Journal.  
 American Racing Pigeon News. Norristown, Penn. 1, 1885 + 1885 to 1910 as  
 Homing Exchange.  
 Annotationes ornithologicae Orientalis. Tokyo. 1, 1927 +  
 Annual Report of the National Association of Audubon Societies. New York.  
 1905+ Before 1905, published in *Auk* as Reports of the Union's Committee  
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 Annual Report of the Royal Society for the Protection of Birds. London. 1,  
 1891 +  
 Apteryx, The. A New England Quarterly of Natural History. Providence, R.I.  
 1, No. 1-3, 1905||  
 Archives d'ornithologie suisse (Schweizer Gesellschaft für Vogelkunde). 1,  
 1932 +  
 Arkansas Poultryman. Little Rock, Ark.  
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 Audubon Bulletin (Indiana Audubon Society). Crawfordsville, Indiana. 1, 1921 +  
 Aus Theorie und Praxis der Geflügelzucht. Berlin. 1-5, 1907-17||  
 Australian Pigeon and Rabbit Journal.  
 Aves, conejos y abejas. Buenos Aires. 1, 1919 +  
 Aviculteur. Nantes. 1881-88||  
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- Aviculteur du Berry. Bourges.  
 Aviculteur français. Paris. 1, 1923+  
 Avicultor. México. 1, 1919+?  
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 Avicultura práctica. Santiago de Chile.  
 Aviculture (Avicultural Society of America). New York. 1, 1929-33. 1, Nos. 1-12, as Pet Dealer; (Ser. 2), 1, Nos. 1-2 as Avicultural Magazine.  
 Aviculture belge. Renaix.  
 Aviculture commerciale et internationale. Charleville.  
 Aviculture et l'apiculture du Sud-Est. Lyon. 1-4, 1923-26|| 1, Nos. 1-4, as Aviculture du Sud-Est. Merged into France rurale.  
 Aviculture pratique. Paris. 1912-14||  
 Aviculture pratique et sportive. Montillier sous Lausanne.  
 Aviculture; revue traitant l'élevage scientifique, pratique. Tours.  
 Avifauna. Los Angeles; Santa Barbara, Calif. 1, 1895-97||  
 Baby Chick. Chicago.  
 Bateleur, The. A Quarterly Journal of African Ornithology. Nairobi.  
 Bay State Oologist. Pittsfield, Mass. 1, 1888||  
 Bericht des Ornithologisch-oologischen Vereins zu Hamburg (Hadersleben). 1897-1903||?  
 Bird Calendar, The. Cleveland [Ohio] Bird Club. 1, 1905+  
 Bird Call, The. (Pennsylvania Audubon Society.) Philadelphia. 1, 1887||  
 Bird Lover. London.  
 Bird Lovers' Monthly. Liverpool. 1, 1931.  
 Bird News. San Francisco, Calif. Nos. 1-6, 1909||  
 Bird World Magazine. London. 1-2, 1906-07||  
 Bird-banding News.  
 Bird-banding Notes. Washington. 1, 1922+ (mimeographed).  
 Birds. Chicago. 1-3, 1897-98|| Cont'd as: Birds and All Nature.  
 Birds and All Nature. Chicago. 4, 1898|| Cont'd as: Birds and Nature Magazine.  
 Birds and Nature Magazine. Chicago. 5, 1899-1907||  
 Bittern, The. Cedar Rapids, Iowa. 1, 1901||  
 Bittern, The. Damariscotta, Me. Nos. 1-9, 1890-91||  
 Bluebird, The. Cleveland; Cincinnati. 1-12, 1910-20|| 1-6, No. 2, as Nature and Culture.  
 Boletín de la R. Academia gallega. La Coruña, Spain. 1, 1906+  
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# A BIBLIOGRAPHY OF BIRDS

WITH SPECIAL REFERENCE TO ANATOMY, BEHAVIOR, BIOCHEMISTRY,  
EMBRYOLOGY, PATHOLOGY, PHYSIOLOGY, GENETICS, ECOLOGY,  
AVICULTURE, ECONOMIC ORNITHOLOGY, POULTRY CULTURE,  
EVOLUTION, AND RELATED SUBJECTS

## PART 2

AUTHOR CATALOGUE

K to Z

BY

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## PREFACE TO VOLUME II

This work has been done with the perhaps Utopian ambition to secure completeness within the limits indicated in the subtitle and on page three of the preface to volume one. Nevertheless, in spite of laborious efforts, omissions have occurred, for which only apologies can be offered.

Grateful acknowledgment is made to Field Museum for having provided excellent and specially trained editors and proofreaders. Mr. David Gustafson, formerly Professor of Printing at the Carnegie Institute of Technology, Pittsburgh, began work on the project in October, 1937. His fine knowledge of languages and of printing problems has been invaluable, and his keen and loyal interest in the undertaking has been greatly appreciated.

Before the appointment of Mr. Gustafson, Miss Josephine Thornton did excellent work on some of the galley proofs for the second volume.

Strenuous efforts have been made to avoid errors. Nevertheless, some errors, mostly typographical, have occurred. For example, the list of periodicals with abbreviations employed, on pages 17 to 72, does not include some journals cited only a few times in the manuscript; these citations were added after the list had been completed. A section of Corrigenda will appear in volume three.

Much time has been spent, especially during the past five years, in securing biographical material for the authors cited. This has often been difficult to obtain, and it could not be secured for many of the authors without a prohibitive amount of correspondence. Where feasible, full names of authors have been given, although this procedure often involves the danger of misidentification. Some of these names were kindly contributed by Dr. T. S. Palmer and others. *American Men of Science* (and other directories), the Wistar Institute Bibliographic Service, the bibliography of vertebrate zoology by Dr. Casey A. Wood (to be listed in volume three), and the index to *The Auk* were important sources for this information.

Volume three will consist mainly of the subject and finding indices. There will also be a list of bibliographies and the section of Corrigenda mentioned previously. It is estimated that this volume will be somewhat larger than either volumes one or two. The manuscript has long since been completed and proofreading is in progress. It is expected that the usefulness of the Author Catalogue will be largely dependent on the Subject Index.



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